



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of Oregon's native vegetation

VOLUME 37, No. 1

JANUARY 2004

Sidalcea Summer: Our Petition Has Been Sent!

by Rhoda Love, Vice President

December 10, 2003. I have completed NPSO's petition to the Oregon Department of Agriculture requesting listing of *Sidalcea hendersonii*. Thanks to all those who surveyed, gathered data, wrote reports, sent maps, and gave me advice. We had 23 people in the field looking for *Sidalcea hendersonii* in the summer of 2003; their evidence has been compiled, and

based on their findings, it seems more than likely that *S. hendersonii* has disappeared from 9/10ths of its historic habitat in Oregon. With this evidence, it was not hard to make a case to the ODA Rare Plant Program that Henderson's checkermallow should be listed as Threatened in Oregon.

It nevertheless took me over 100 hours to write the petition which runs to 40 pages with tables, maps, photos, quotes from experts and detailed reports. The bottom line is that only in the Siuslaw River Estuary of Lane County do we find a viable population

of this plant on protected land. We are truly in danger of losing this unique and beautiful Oregon species.

ODA now has thirty days to acknowledge receipt of our petition and 90 days to advise us "in writing whether the petition presents sufficient evidence to justify proceeding." A point of pride for NPSO: Bob Meinke, Program Leader of the state's Conservation Biology Program has informed me that this will be the first petition for listing the Department has ever received since Oregon's Endangered Species law was passed in 1987!

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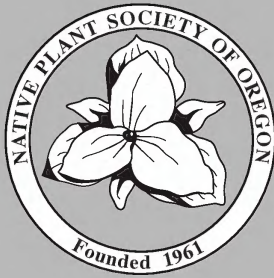
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IT'S STILL RENEWAL TIME!

The NPSO membership year is January to December. If you haven't renewed already for 2004, now would be a great time to do so. You can use the remittance envelope enclosed in the previous issue of the *Bulletin* or the membership form on the inside back page of this issue.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

NPSO brings you field trips, programs, classes, the monthly *Bulletin*, and *Kalmiopsis*. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

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Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

NEW MEMBERS

10/10/03 - 12/10/03

Corvallis

Brian J. Knaus
Beth A. Lawrence

Emerald

Derek Hevel
Jill Hubbard
Doramay Keasbey
Duane & Jackie Marble
Dian & Charles E. Missar
Joshua L. Smith

High Desert

Thomas W. Hutton
Linda & Chris Wright

Mid-Columbia

Lorraine M. Fritsch
Mary Jean Lord
Lois Smith

Portland

Katherine Arhangelsky
Tara Barrett
Michael & Lynne Chartier
Mark Darrach
Perry McCormick
Lawrence O. Price
Bill Ward

Siskiyou

John Kemper
Mark Madsen
David & Bernice White

Umpqua Valley

Louise B. Helleck
Lynette Herlan
Laura & Karl Konecny
Diane Phillips

Willamette Valley

Neil Bednarczyk
James A. Castle
Joan Kerns
Sharon Miller

Grant Proposals Requested

The Native Plant Society of Oregon will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from Dan Luoma, Field Research Grants Committee Chair, 3740 NW Harrison Ave., Corvallis, OR 97330. The material may also be obtained at NPSO's World Wide Web site, <http://www.npsoregon.org/comm/FRGC.htm>. Research proposals are due by March 1, 2004.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone (such as YOU!) to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.

State

January 24, Saturday, 10:00 am

Board of Directors Meeting: The Portland chapter will host the next meeting which will take place at the Nature Conservancy office in Portland. All NPSO members are welcome to attend. For directions see page 5.

June 25-27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. Look for more information in upcoming issues of the *Bulletin*.

Blue Mountain

Monday, January 5, 7:00 pm

Meeting: Projects on the Umatilla Indian Reservation. Cheryl Shippentower, botanist with the Confederated Tribes of the Umatilla Indian Reservation, talk about projects she is currently involved in. Community Meeting Room, SE corner of City Hall building in Pendleton; use SE corner entrance off rear parking lot. Contact person: Bruce Barnes, 541-276-5547. Meetings will be the same time and place, 1st Monday of the month through May.

Cheahmill

For information on the Cheahmill Chapter call Marilyn Karbonski at 503-852-7230.

Corvallis

January 12, Monday, 7:30 pm

Meeting: The Amazing and Diverse *Astragalus* of Oregon. Brian Knauss, PhD student in Botany and Plant Pathology at OSU, will be presenting his knowledge of this genus. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

Emerald

January 24, Saturday, 8:00 am

Work Party: OSU Herbarium. The OSU Herbarium needs help in mounting plant specimens and with a variety of other tasks. Meet at South Eugene HS at 8:00 am to carpool. Return to Eugene before 4:00 pm. RSVP. For more info call Dave at 541-345-5531.

January 26, Monday, 7:30 pm

Meeting: Come In From the Rain and the Wet to Learn More About the Wetlands! Join Eric Wold, former NPSO board member and the West

Eugene Wetlands Program Supervisor, for a discussion of the miraculous mosaic of wetlands to the west of town. Eric will discuss land management, acquisition, and restoration in diverse types of wetland habitats and show how these actions affect preservation of endangered species. Eric brings his background in forestry, wildlife biology, ecology, entomology, and planning to this educational exploration of the big "puddle" in our "backyard". 7:30 pm, Room 115, Science Building, Lane Community College.

February 23, Monday, 7:30 pm

Meeting: Rare and Endangered Plants of Lane County. Charlene Simpson, who specializes in Lane County flora, will use a lovely slide show to tell us stories of species losses, gains, and near misses. Charlene is a founding member of Emerald Chapter, state board Director-at-Large, lead author of the recently published *Lane County Checklist*, and co-chair of Emerald Chapter's R & E Committee. 7:30 pm, Room 115, Science Building, Lane Community College.

March 15, Monday, 7:30 pm

Meeting: The Why, What, When, and How of Landscaping with Native Plants. Join our local forest ecologist, horticulturalist, and landscape designer Whitey Lueck for a talk on how best to use native plants in your yard and garden. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

January 27, Tuesday, 7:30 pm

Meeting: The Crooked River National Grassland. The Crooked River National Grassland is in the process of completing an EIS that will lead to the restoration of over 50,000 acres of the public lands in Central Oregon. Much of this effort will be to restore the native grasslands in our area. Come and

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

listen to a superb presentation by Kristin Bale of the history of the area and an outline of the restoration plans. This presentation will be a prelude to a field trip in the spring to see what is planned on the ground. The meeting starts at 7:30 pm at the Central Oregon Environmental Center, 16 NW Kansas Ave, Bend. Doors open at 7:00 pm.

February 27, Tuesday, 7:30 pm

Meeting: Development of Native Plant Materials for Central and Eastern Oregon. Berta Youtie, Ecologist with Eastern Oregon Restoration Services, will discuss the native plant communities in central and eastern Oregon which are in greatest need of restoration. She will also focus on key species for which native plant stocks need to be developed. Don't miss this exciting and forward-looking topic. Central Oregon Environmental Center, 16 NW Kansas Ave., Bend.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

January 7, Wednesday 7:30 pm

Meeting: Mid-winter Plant Cuttings. Michael Igo will help members and friends get started growing more native plants. Please note new meeting place. The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

February 4, Wednesday, 7:30 pm

Meeting: The Yellow Things are Called Petals. First in a series of workshops to make us all competent field botanists. Where else can you go from casual curiosity about wildflowers to being able to identify nearly all the vegetation that is out there? The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

January 13, Tuesday, 7:00 pm

Meeting: Wildflowers and Landscapes of Oregon's Zumwalt Prairie! Join long-time NPSO member and TNC employee Linda Hardie, as Linda gives a glorious slide show of The Nature Conservancy's newest acquisition in Oregon, the 26,000 acre Zumwalt Prairie Preserve. Zumwalt Prairie has the highest concentration of raptors anywhere in the U.S. and it abounds with other interesting animal life. This slide show, however, will detail some of the wonderful native plants and landscapes of this region, and will be a small preview of the upcoming annual meeting in northeast Oregon! Come join us at the Fireside Room (#355) of the First United Methodist Church located at 1938 SW Jefferson St. in Portland. For more info contact Leslie Rossmell, 503-335-3987.

Siskiyou

January 15, Thursday, 7:30 pm

Meeting: What Are the Potential Impacts of Future Climate Change on Vegetation in the Pacific Northwest? Dr. Sarah Shafer, from the USGS Earth Surface Processes (Central Region), will summarize some of the projections of future climate changes for the Pacific Northwest and potential effects these changes may have on vegetation and on conservation and natural resource management activities in the region. Room 171 of the SOU Science Building, Ashland. For more info, contact Cynthia Maclaren, 541-482-0899.

Umpqua Valley

January 8, Thursday, 7:00 pm

Meeting: No Program Scheduled. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For more information please call Judy Kent at 541-863-7024.

Willamette Valley

January 15, Thursday, 6:30 pm

Meeting: Native Plants and Butterflies. Bruce Newhouse, NPSO president, and Eric Wold, past-president of the Eugene chapter of the North American Butterfly Association, have been invited to speak on the relationship of native plants and butterflies. The talk will be in room 225, 600 State Street, First United Methodist Church, Salem. Enter through the door on the State Street side. For information and confirmation about the meeting, contact John Savage, 503-399-8615.

January 31, Saturday, 9:00 am

Workshop: Gardening with Native Plants. The Marion Soil and Water Conservation District and the Willamette University Biology Department are jointly sponsoring this half-day workshop at the Willamette University Law School, Paulus Lecture hall. Topics will include native plant identification, weed management, using native plants in restoration projects, attracting wildlife, and naturescaping. The workshop will be free, and the sponsors will be accepting non-perishable food donations for Marion-Polk Food Share at the event. Refreshments and information packets will be provided. To preregister, contact Marion Soil and Water Conservation District at 503-391-9927.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Directions to January NPSO Board Meeting

Nature Conservancy of Oregon, 821 SE 14th Avenue Portland, 503-230-1221

From the North on I-5 to Belmont:

Take exit 300B, for "OMSI & City Center" (just south of the exit for I-84). Keep to the left on that exit, as you will be taking the OMSI ramp, NOT the ramp to City Center. This will put you onto Belmont at the east end of the Morrison Bridge.

From the South on I-5 to Belmont:

The easiest, least confusing way to our office from the south, even though it is on the east side of the Willamette River, is to head to "City Center" from I-5, then take the "Front Avenue" exit from there. Turn north (right) onto Front Avenue, traveling along Waterfront Park, on the west side of the Willamette River. Take the Morrison Bridge exit from there (you will be turning left to get on the bridge). Once on the Morrison Bridge, continue straight across the bridge, which then becomes Belmont Avenue.

From the East (I-84) to Belmont:

Take I-84 all the way into Portland, and merge onto I-5 Southbound. Right after the I-5 split, you will take the first exit on the right toward "OMSI & City Center." Keep to the left of that off-ramp, as you will be taking the OMSI ramp, NOT the ramp to City Center. This will put you onto Belmont at the east end of the Morrison Bridge.

From Belmont:

Stay on Belmont, going east, until you come to 14th Avenue, turn north (left) onto 14th. Our office is on the west (left) side of the block, with small parking lots on either side of our building. The office is between Morrison and Belmont on 14th.

2004 Update for Rare, Threatened and Endangered Species of Oregon

The *Rare, Threatened and Endangered Species of Oregon* booklet will be updated in February 2004. This publication contains information on the status and county and physiographic province distribution for rare animal, plant and fungi species within the state. Recommendations made at the Rare Plant Conference held last April 2003 in Corvallis and subsequent comments on those recommendations will be incorporated into this next edition. However, there is still time to make new recommendations and comments.

Please send your comments and recommendations before January 31, 2004 to Sue Vrilakas, ORNHIC, 1322 S.E. Morrison St., Portland, OR 97214 or e-mail sue.vrilakas@oregonstate.edu or phone 503-731-3070 x105.

Crater Lake Checklist Now Available

Peter F. Zika's annotated checklist of the vascular plants of Crater Lake National Park includes 682 documented species. Species are arranged by family. Accepted name, synonyms, common name, ecological information, park location(s), and miscellaneous notes are given for each species.

This 92-page, spiral-bound checklist is available for \$14.95 plus shipping and handling from:

Crater Lake Natural History Assoc.
P.O. Box 157,
Crater Lake, OR 97604
<http://www.nps.gov/crla/nha.htm>
541-594-3111

Calling All Botanists! Join the Celebration!

Mount Pisgah Arboretum Wildflower Festival 2004
May 16, 10 am - 4 pm (the weekend after Mother's Day)

"Honoring the Founders: Celebrating 25 years of Wildflower Displays"
Guiding students to make deep and meaningful connections with the natural world.

On May 18, 1980 Mount St. Helens exploded and the first Wildflower Festival at Mt. Pisgah Arboretum opened. In 2004 we want to have a grand celebration and reunion of all the folks that have been involved in the festival from the very beginning and over its 25-year history.

Did you take an LCC Botany or Mushroom class? Was Freeman Rowe or Rhoda Love one of your instructors? Did you take a medicinal plant course from Jay Marston or go on an Alton Baker or Arboretum plant walk with David Wagner? Do you know someone else who did? Do you have stories,

slides or pictures to share? Would you like to renew old acquaintances and share in the events of the festival again?

If you would like to join us for this special celebration or be involved in any aspect of planning the events please contact Gail Baker, Science Division, Lane Community College, bakerg@lanecol.edu or 541-463-5085. This will put you on the contact list and keep you updated about events.

Starting Friday we will have a reunion dinner and celebration and continue events through the weekend for everyone to get together and enjoy the company and the wildflowers.

The Siskiyou Field Institute 2004 Programs

The Siskiyou Field Institute offers dynamic natural history field programs about the Klamath-Siskiyou for people of all ages from February through September. Join expert naturalists for hiking, birdwatching, botanizing, rafting, backpacking, or other workshops about the region's unique flora and fauna, biodiversity and geology. Don't miss our main programs:

Illinois Valley (Cave Junction based) programs: June 3-6, 2004

Ashland-based programs: June 14-18, and 25-27, 2004

Strap on your skis or snowshoes and explore around Mt. Ashland on SFI's Winter Ecology program held February 20-21, 2004. Join alpine ecology enthusiasts Kristi Mergenthaler and Rob Lang for an evening slide show, followed by a day-long snowshoe trip to learn about winter plant and animal identification and adaptations, snow dynamics, animal signs and tracks, and human survival strategies. Cost is \$65.

For more information, call 541-592-4459, e-mail institute@siskiyou.org or go online at www.siskiyou.org/sfi.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Winter Twigs Walk

January 10, Saturday, 10 am - Noon

Join Gail Baker, Lane Community College botany instructor, on a morning walk and learn to identify the trees and shrubs of Mount Pisgah Arboretum without their characteristic leaves. Bring a hand lens if you have one and be prepared to come away with new skills! Meet at the Visitor Center, rain or shine. Suggested donation \$3.

Drawing Trees in Tonal Ink Washes

January 17, Saturday, 1-4 pm

The beauty of winter trees will be an inspiration in this class taught by natural science illustrator Kris Kirkeby. Study the shapes of different trees and how to best visually describe their characteristics. Basic drawing skills and lessons will be used to produce preliminary sketches with form and texture, then finalize the drawing in an ink wash technique using black and white tonal effects. Fee: \$20 (\$15 MPA members). Pre-registration required.

Mosses & Ferns Walk

January 24, Saturday, 10 am - Noon

Identify mosses and ferns and learn about their unique life cycles and growth habits on this walk with botanist and Eugene Natural History Society president David Wagner. Meet at the Visitor Center, rain or shine. Suggested donation \$3.

Trees in the Urban Landscape: Valuable Community Assets or Potential Liabilities?

January 24, Saturday, 1-5 pm

Led by Eugene's popular urban forester and naturalist Whitey Lueck, this program focuses on the hazards of trees that grow near the places we live and work. A two-hour classroom session and two hours in the field allows participants to learn how trees grow both above and below ground; to recognize the "danger signs" that indicate potential hazards; ways to prevent those hazards from developing in the first place; and how to address problems that already exist. At the Hilyard Community Center (2580 Hilyard St.) in Eugene. Fee: \$15. Pre-registration required.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Winter Twig Identification

January 31, Saturday, 10am-12

Identifying deciduous trees and shrubs is a great skill for those with an interest in plants, restoration projects, and more. Once you learn how to shift your focus from the familiar leaves and flowers, you'll realize that a leafless twig is sometimes even more diagnostic for identification purposes. In the warm comfort of the visitor's center, learn how to identify 12 of our common shrubs and trees solely by their twigs. \$15 (\$12 BBG Members)

ONRC Celebrates 30th Anniversary in Eugene

February 21, Saturday, 6-10 pm at Lane Community College's conference center

Oregon Natural Resources Council (ONRC) has been working to protect and restore Oregon's wild lands, wildlife and waters for 30 years and it's time to celebrate!

This event includes dinner prepared by the LCC culinary arts program, a no host bar, live music, guest speakers, stories and reminiscences. A silent auction will feature valuable goods and services, including a McKenzie River raft trip for two and a Nova Sports Equipment Haida canoe.

Admission is \$35, and reservations are required by February 13. Details and reservations available by calling Chandra at 541-344-0675.

Mending Natural Systems in Our Cities

October 9-10, 2003. Eugene Oregon. Organized by Northwest Youth Corps, Camas Education Network, POS-Hendricks Park & Stream Team, and the Walama Restoration Project. Supported by City of Eugene Parks & Open Spaces, Friends of Hendricks Park and NPSO Emerald Chapter.

by Shannon Boyd, Kathryn Skelton and Emily Hamblen, Biology Students, Science Division, Lane Community College, Eugene

Ecologists, biologists, planters, non-profit workers, volunteers, educators and students gathered to discuss options for community stewardship, ecosystem repair, and environmental education in urban areas. Conference members faced many challenges, the largest of which was the lack of community networking in the sphere of habitat restoration.

To initiate community networking the hallways of the Northwest Youth Corps (NYC) building were lined with a medley of displays and exhibits set up by community service groups and environmental organizations, such as Nearby Nature, Walama Restoration Group, Friends of Hendricks Park, and the Cascade Raptor Center, just to name a few.

After collecting information about local restoration activities, everyone gathered in the NYC gym, where Bruce Newhouse, NPSO state president, shared with us insights and wisdom from his restoration work in the community. He spoke of projects at the Eugene Masonic Cemetery, Willamette Resources and Educational Network, Friends of Buford Park, and finally, his work with the McKenzie River Trust. His presentation detailed the strengths and weaknesses of the various projects. The comparisons revealed that all of the projects shared some common challenges: funding, planning, and social and aesthetic issues. Yet, they all also shared an appreciation of the inherent beauty of our landscape and people with enthusiasm, dedication and energy. Newhouse not only demonstrated his passion for conservation and restoration, but also provided ways for connecting organizations with projects by giving an overview of what is currently happening in our area and how to get involved.

The evening reception following Newhouse's presentation gave everyone time to get acquainted and share our own passions for environmental restoration. Licking the last of Cafe Soria's savory delights off our green thumbs, we developed a sense of community through conversation and common interests.

Dr. Robin Kimmerer, Friday's keynote speaker, addressed restoring the relationship between environments and communities. Kimmerer, an Associate Professor of Environmental and Forest Biology at SUNY, started by challenging current paradigms regarding the position of humans in

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Garden Ecology Conference

March 5-7, Friday-Sunday, Valley River Inn, Eugene

"Braving the Elements" is the theme of this year's North American Rock Garden Society (NARGS) Western Winter Study Weekend. This conference will focus, broadly, on the adaptations and adaptability to cultivation of rock garden and woodland plants, both native and exotic. Speakers include Panayoti Kelaidis, horticultural director of Denver Botanic Garden; his wife Gwen, a botanist, editor and garden designer; plant ecologist Art Kruckeberg, professor emeritus at the University of Washington; bulb expert John Lonsdale; Ernie and Marietta O'Byrne (Northwest Garden Nursery); David Mason (Hedgerows Nursery); David Hale (Portland); and NPSO members Loren Russell and Tanya Harvey.

Of special interest to NPSO members will be the Saturday (March 6) morning and afternoon sessions, with four talks in the morning dealing with Oregon native plants and with growing wild plants. Following lunch, Art Kruckeberg's talk, "Plants Grow by Geological Consent," will be followed by a panel with Kruckeberg and Gwen Kelaidis discussing plants and soil in nature and in the garden.

There will also be a plant sale and display, art sale and display, and open

gardens. Registration for the conference is \$138, which includes buffet breakfast on Saturday and Sunday and the Saturday evening banquet. Registration for the Saturday morning and afternoon sessions only, on a space available basis, will be \$50; for the afternoon (Kruckeberg talk and panel only), registration will be \$25 general/\$15 for students. Full information on the meeting and secure on-line registration for the study weekend is available at the NARGS website <nargs.org/meet/meetings.html>. You can print the meeting brochure with mail-in registration form from this site. To register on-line, key "online registration". If you are interested in attending the Saturday sessions only, contact the Registrar, Melody Clarkson at 541-334-6883. or <jimmelody@mindspring.com> AFTER JANUARY 10.

More information on the Western Winter Study Weekend can be found at the Emerald Chapter NARGS website. From the NARGS website, key "meetings", "local chapters", and then "emerald chapter", or access directly at <www.peak.org/~parson/emerald>.

You need not be a member of NARGS to register for this meeting.



Fender's blue butterfly (Icaricia icarioides fenderi), has vanished from its historic prairie habitat as Kincaid's lupine has disappeared.



Violet-purple to nearly white Kincaid's lupine (Lupinus sulphureus ssp. kincaidii) is not only gorgeous, but also provides the major larval food source for Fender's blue butterfly. The lupine has fallen prey to wet prairie draining and development.

NPSO Lawsuit Settled: USFWS Must Designate Critical Habitat for Wetland Species

By Rhoda Love, Vice-President

November, 2003: Critical habitat for two beautiful rare and endangered Willamette Valley wetland plants and a rare butterfly must be proposed by the US Fish and Wildlife Service no later than October 2005, and designated the following year. This according to the settlement of a lawsuit brought last year in US District Court by the Native Plant Society of Oregon and four co-plaintiffs.

NPSO and its allies, Cascadia Wildlands Project, Landwatch Lane County, Lane County Audubon Society and Friends of Eugene, sued the USFWS and Gale Norton, Secretary of Interior, in April 2003 to establish critical habitat as required, for three imperiled wetland species: Fender's blue butterfly (*Icaricia icarioides fenderi*), Willamette daisy (*Erigeron decumbens decumbens*), and Kincaid's lupine (*Lupinus sulphureus kincaidii*).

The wildflowers and butterfly were Federally listed in January 2000—the butterfly and daisy as endangered, the

lupine as threatened. However, no critical habitat was designated as is required by law. Therefore NPSO and the four others filed suit last spring to force the federal agency to comply. Our attorney was Daniel Stotter of Eugene.

It was clear that Federal law was on our side and, not surprisingly, the government offered to settle out of court. We are pleased at the result; but, with James Johnston of Cascadia Wildlands Project, we feel that "to put it off another three years is not necessarily the best outcome" (*Eugene Register-Guard* 11/22/03). However, we are hopeful that USFWS will begin work as soon as possible to provide living space for these unique and vanishing Oregon residents. We are expecting to see wetland habitat for the butterfly, daisy, and lupine designated in Lane, Linn and Benton Counties. In addition to forcing the habitat designation, the settlement mandates that USFWS will pay the full cost of the litigation, including all attorney's fees.



Willamette daisy (Erigeron decumbens var. decumbens) is a blue wetlands wildflower whose habitat is now reduced to unplowed and neglected patches along roads and fence lines.

Mending Natural Systems

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restoration. This shift begins with a biocentric revolution. Restoring a balance with nature is about more than recreating landscapes. "It is not the land which is broken, but our relationship to it," she said. Current restoration paradigms view an ecosystem as a machine, but Kimmerer sees an ecosystem as a community of sovereign beings in which humans are an integral part of nature. Kimmerer reminded us that nature is a classroom, and there is much to learn by observing all forms of life. The importance of education was stressed, especially of the younger generations. Her approach to mending ecosystems brought a new intimacy and respectful dimension to conference philosophies: to regain "ecological citizenship."

After the keynote address there were small group discussions where we explored ways of accomplishing sustainable stewardship of our urban natural areas. Some of our discussions focused on how to create a future where our children will have a sense of place. Everyone clearly agreed that education could mean increased interest in involvement, that we need to find unification of polarized groups, and that sustainability means we all meet our basic needs. We also discussed what was unclear: how do we do these things, what are the rewards for the culturally vulnerable, and do our goals mean sacrifice and suffering in some way? The complexity of our goals seemed overwhelming, but it all pointed in one direction: action.

One person actively changing our current system through education was our next speaker, Jan Vandertuin. Vandertuin is the president and co-founder of the Network Charter School in Eugene, and the executive director of the Center for Appropriate Transport. Where Kimmerer spoke of restoring relationships to the land, Vandertuin spoke of restoring and maintaining communal relationships. The Network Charter School provides an alternative education for young adults to gain hands-on experience and knowledge

Friends of the Oregon Flora Project



www.oregonflora.org

Friends of the Oregon
Flora Project
P.O. Box 402
Corvallis, OR 97339-0402

If you are looking for a new opportunity to contribute your skills and learn about one of Oregon's most precious resources, please consider volunteering for the Oregon Flora Project. People of all abilities and ages are welcome. For those able to participate on site in Corvallis, come join our "Volunteer Tuesdays." We also have projects that can be done at your location. Enjoy the satisfaction of sharing your time and talents with a project that will serve plant enthusiasts for decades to come! Please contact Linda for arrangements: 541-745-5770; 737-4338; hardisol@science.orst.edu.

within their community. Vandertuin is paving avenues for students to have a direct impact where they live. Charter School alumni are empowered with tools they need to create their own future, which is rooted deeply in the community. Vandertuin's accomplishments in educational action provide a foundation for the possibilities in environmental action. He showed us what networking can do and how to establish and maintain strong community relationships—key pieces to our restoration puzzle.

We then broke into another set of discussion groups, focusing on how to accomplish our goals. The groups began by brainstorming ideas about how to get people to care about the land and their relationship within it. Some suggestions included: neighborhood activities, community celebrations, and local and free environmental education experiences. At a community and city level, creative suggestions were raised, such as list serves that can bring together people who are interested in getting involved and provide current updates of local activities.

Mending Natural Ecosystems in our Cities begins with each person taking responsibility and especially with

our children. Showing children the importance of community and natural places starts with us. We need to get to know our community members and find ways to build bridges across our differences, joining forces where there are common goals. By doing this we can unite as a people who are involved with the land, and start healing our relationships to it. Unification with each other and the land creates a networking system that will benefit the earth's future, as well as our own. This conference provided opportunities for brainstorming how to accomplish an organized community network. The reciprocity of respect to the natural world will be felt, and as Robin Kimmerer said, "only then will the Earth thank us for our presence."

The authors would like to thank the NPSO Emerald Chapter for generously providing support to attend this inspiring and informative conference and LCC Science Instructors Jacqueline Fern (Environmental Science) and Gail Baker (Biology) for their encouragement to attend the conference and guidance while writing this report.

Candidates for NPSO Board Positions

The NPSO Nominating Committee offers the following list of candidates for the State offices. Additional candidates' names may be submitted (with their permission) by any group of five (5) or more paid-up members. This is with a short turnaround time, as it needs to make the deadline of January 10 to appear in the February *Bulletin*. The Ballot will be mailed with the March *Bulletin*.

President:

Kelli van Norman (Portland) grew up in the mountains of southwestern Oregon, hiking and learning the native flora of the State of Jefferson. She earned a B.S. in Geography from the University of Oregon, an M.S. in Forest Science from Oregon State University, and currently works for the Bureau of Land Management in Portland. She has been a member of NPSO since the mid-1990s, and has become more active in the past few years in the local Portland chapter and at the state level serving on several committees. She has been NPSO State Board Secretary since 2001. Kelli's goals for the state organization include finding new leaders and participants from within current membership, as well as increasing the organization's appeal to new members. She is also committed to sustaining the vitality of local NPSO chapters. She believes that from a strong base we can better accomplish our mission of enjoying, conserving and studying Oregon's native vegetation.

Vice-President:

Rhoda Love (Eugene) has been a member of NPSO since 1973. In the past she has been both State President and State Secretary. She is retired from botany teaching after 30 years at Lane Community College in Eugene, and volunteers for the Oregon Flora Project at OSU. She is Editor of the *Oregon Flora Newsletter*, on the editorial board of *Kalmiopsis*, and the author of NPSO Occasional Paper 2 on the life of L.F. Henderson. She works hard for the conservation of plants and ecosystems, and her motto is "Flowers Forever."

Secretary:

Still No Candidate!

Treasurer:

Candice Guth, incumbent, (Portland) is the Finance Director for Oregon Natural Resources Council. She is a CPA in Oregon and has worked for non-profits since 1990. Candice has been State Treasurer of NPSO for two years. Studying native plants and birds are her hobbies.

Directors-At-Large:

Laura White (Corvallis) has a broad interest in native plants, ranging from gardening with natives to landscape-level restoration activities. She has been a member of NPSO for the past two years with active involvement in the Corvallis chapter. Laura enjoys teaching field classes and workshops that cover the biology and identification of plants and also takes pleasure in traveling around the state to discover unique ecosystems and botanical wonders. Laura has instructed field botany courses at the University of Michigan and Linn Benton Community College. She currently works as a biologist conducting outreach activities with the USGS in Corvallis.

Jenifer Hutchinson (Gold Beach) grew up in southern California and Iowa. She has a B.A. in Biology from Coe College, Iowa; a M.A. in Creative Writing from University of Oregon; and a M.S. in Plant Biology from Oregon State University. She was hired in 1991 to look for Sensitive Plants on the Deschutes National Forest. She then worked for USFS doing more sensitive plant surveys, wildlife cover surveys and data. Eventually she decided to go back to OSU to study Botany. She was then hired for lichen surveys for the USFS Region 6 Air Quality Monitoring project. She surveyed the entire Deschutes National Forest on a 3.4-mile grid. Then it was back to

OSU for a M.S. in Plant Ecology. In June of 2001 she was hired as an Ecologist with USFS before starting her current job as a Botanist with the Siskiyou National Forest in July 2002 (right after the start of Biscuit Fire).

Chris Kiilsgaard (Corvallis) is the Director of the Northwest Habitat Institute, a non-profit wildlife ecology organization based in Corvallis. At the NHI Chris works with private landowners interested in restoring wetland and upland native vegetation to their property. Prior to co-founding the NHI Chris has worked as a plant ecologist in both the private and government agency sectors. He has extensive experience in mapping vegetation and wildlife habitat communities throughout the Pacific Northwest. Chris has a M.S. in Geography from Oregon State University where he worked with Bob Frenkel on post-eruption riparian vegetation recovery at Mount St. Helens and a B.S. in Earth Science from Montana State University. His hobbies include tennis, vegetable gardening, and wetland birding.

Larry Scofield (Falls City) earned a B.A. in Biology at LaSierra University, Riverside, CA, and an M.S. in Biology from University of Massachusetts at Amherst. He spent two years as a Marine Biologist in the U.S. Coast Guard on the Oceanic Research ship "Evergreen". He has been a Wildlife Biologist for Dept. of Fish and Wildlife at OSU, and a Biology teacher in Portland, Oregon. He spent 25 years as Wildlife Biologist and Botanist with the Salem District BLM. He is now retired, working with outdoor youth groups teaching nature subjects.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

DIRECTORS (to 6/2004) Clayton Gautier, Elaine Plaisance, Veva Stansell (to 6/2003) Dan Luoma, Michael McKeag, Charlene Simpson

PRESIDENT Bruce Newhouse 2525 Potter, Eugene, OR 97405; 541-343-2364

IMMEDIATE PAST PRESIDENT Michael Igo P.O. Box 603 Mosier, OR 97040

VICE PRESIDENT Rhoda Love 393 Fulvue Drive, Eugene, OR 97405-2706; 541-345-6241

SECRETARY Kelli Van Norman secretary@NPSOregon.org, 503-236-8787

TREASURER Candice Guth 1816 SE 34th Ave., Portland, OR 97214-5033; 503-235-0617

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CHEAHMILL Marilyn Karbonski P.O. Box 291, Carlton, OR 97111-0291; 503-852-7230

CORVALLIS John Syring 2630 NE Seavy Circle, Corvallis, Oregon 97330-4236; 541-752-0414

EMERALD (Eugene) Position vacant contact John Koenig; 541-343-0707

HIGH DESERT (Bend) Reid Schuller 62615 Stenkamp Road, Bend, OR 97709; 541-317-1901

KLAMATH BASIN Sarah Malaby smalaby@cs.com; 541-884-5703

MID-COLUMBIA Jerry Igo P.O. Box 603, Mosier, OR 97040

NORTH COAST Janet Stahl 9780 Whiskey Creek Rd., Tillamook, OR 97141; 503-842-8708

PORTLAND Mandy Tu 821 SE 14th Ave., Portland, OR 97214; imtu@tnc.org

SISKIYOU Chris Van Schaack 429 Morton Street, Ashland, Oregon 97520-3047; 541-488-9174

UMPQUA VALLEY (Roseburg) Ted Schattenkerk 3805 Hwy. 42, Winston, OR 97496-9554; 541-679-6953

WILLAMETTE VALLEY (Salem) Position vacant contact Karl Anderson; 503-315-7329

WM CUSICK (La Grande) Frazier Nichol c/o Dick Kenton, 1805 U Ave., La Grande, OR 97850; 541-963-7870

STATE COMMITTEE CHAIRS

EDUCATION Jerry Igo P.O. Box 603, Mosier, OR 97040

CONSERVATION, EAST SIDE Bob Ottersberg P.O. Box 885, La Grande OR 97850; 541-963-6043

CONSERVATION, WEST SIDE Steven L. Jessup 208 Harrison St., Ashland, OR 97520-2920; 541-552-6804

LEGISLATIVE Position vacant

MEMBERSHIP Clayton Gautier 3927 Shasta View St, Eugene OR 97405-4442; membership@NPSOregon.org

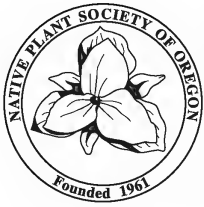
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Send change of address notices
and membership requests to:

Native Plant Society of Oregon
Clayton Gautier, Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

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NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping**. For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study of Oregon's native vegetation

VOLUME 37, No. 2

FEBRUARY 2004

Summer Intern Report

Studying Greene's Mariposa Lily in the Cascade-Siskiyou National Monument

by Angela Brandt

The following is the second in our latest series of articles in which NPSO/Institute for Applied Ecology interns discuss their activities during the 2003 field season. Interns participated in monitoring, restoration and other research projects conducted by IAE staff throughout Oregon during the past summer. These projects focused primarily on threatened and endangered plant species and invasive weeds in the Siskiyou, coastal areas, the Cascades, and the Willamette Valley. In this article, Angela Brandt discusses our efforts in collaboration with the Medford District BLM to evaluate the basic biology and effects of grazing on a rare plant in the Cascade-Siskiyou National Monument. For more information on internship opportunities, please contact IAE at kayer@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

The Cascade-Siskiyou National Monument

National monuments are established on federal lands by presidential proclamation to provide protection to areas of scientific and historical interest. On June 9, 2000, President Clinton designated 52,947 acres of public land on the Bureau of Land Management, Medford District, as the Cascade-Siskiyou National Monument. The Cascade, Siskiyou, and Klamath Ranges meet in the monument and many species from these different ecoregions intermingle there, resulting in high biodiversity. Additionally, the monument contains populations of several rare and endemic species, including Greene's mariposa lily (*Calochortus greenii*; Clinton 2000, www.or.blm.gov/csnm).

Greene's mariposa lily

Greene's mariposa lily is a federal species of concern, a state candidate for listing, and considered threatened throughout its range by the Oregon Natural Heritage Program (ONHP

2001). The lily can be found in open areas of grasslands, shrublands, and oak woodlands between approximately 2200 and 3600 ft in elevation within Jackson County, Oregon, and Siskiyou County, California. The lily typically has one basal leaf, glaucous on both sides, and an erect flowering stem with 1-6 buds and 1 or 2 small stem leaves. The flowers are pink to purplish and cup-shaped, with a purple crescent above the gland and hairy inside (Brock 1996, 1988).

Much still remains to be learned about the lily's biology and ecology. Past surveys of Greene's mariposa lily populations in the monument focused on population size and often occurred several years apart (Brock 1996). Population and demographic studies of Greene's mariposa lily are complicated by two of the plant's traits. First, the lily's basal leaf tends to dry out by the time plants are flowering, making detection and identification of non-flowering plants difficult. Leaf herbivory can cause leaves to wither early in

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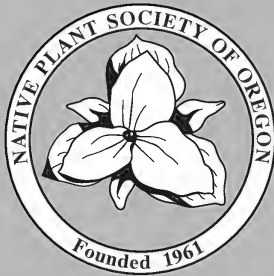
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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsso

General Business Address

P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

IT'S STILL RENEWAL TIME!

The NPSO membership year is January to December.

Check your address label on the Bulletin. If there's a 2003 on the top line, we haven't received your renewal yet.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

NPSO brings you field trips, programs, classes, the monthly *Bulletin*, and *Kalmiopsis*. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

Last Chance for Grant Proposals

Persons interested in applying for funding for small field research grants studying native plants of Oregon can obtain a copy of the program policy and guidelines from Dan Luoma, Field Research Grants Committee Chair, 3740 NW Harrison Ave., Corvallis, OR 97330. The material may also be obtained at NPSO's web site, <http://www.npsoregon.org/comm/FRGC.htm>. Research proposals are due by March 1, 2004.



TANYA HARVEY

Hairy manzanita (Arctostaphylos columbiana) is a very early bloomer; seen here in flower last February in Linn county.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone (such as YOU!) to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.

State

June 25–27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. Look for more information in upcoming issues of the *Bulletin*.

Blue Mountain

Meetings will be the same time and place, 1st Monday of the month through May. Community Meeting Room, SE corner of City Hall building in Pendleton; use SE corner entrance off rear parking lot. Contact person: Bruce Barnes, 541-276-5547.

February 2, Monday, 7:00 pm

Meeting: Projects on the Umatilla Indian Reservation. Cheryl Shippentower, botanist with the Confederated Tribes of the Umatilla Indian Reservation, will give the talk which was cancelled in January due to weather, about projects she is currently involved in.

March 1, Monday, 7:00 pm

Meeting: Plant and Bird Surveys for the Windmill Generating Project will be discussed by Anne Walsh and Karen Kronner.

April 5, Monday, 7:00 pm

Meeting: Rare Plants on the Umatilla National Forest presented by Jean Wood, botanist with the Umatilla NF.

Cheahmill

February 26, Thursday, 7:00pm

Meeting: Helen Gilkey: The Art of Botanical Illustration. Dr. Sharon Rose, professor of Biology at Willamette University will present a lecture and slide show on the history of botanical illustration, featuring the life and art of Dr. Helen Gilkey. Dr. Gilkey was primary illustrator for W. L. Jepson's publication (1925) of *Manual of the Flowering Plants of California* and

illustrated her own publications, including the recently updated and revised *Handbook of Northwestern Plants*. Dr. Gilkey's illustrations are on exhibit at Willamette University's Hallie Ford Museum of Art through March 13. 7:00 pm in the Carnegie Room at the McMinnville Public Library, 225 N. Adams St. For more information, call Erin Rainey at 503-435-8589.

Corvallis

February 7, Saturday, 9:00 am

Workshop Series: *Carex*. Keli Kuykendall will guide us through the

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

wonderful and often frustrating world of *Carex*. This is the first in a series of hands-on workshops running through April of this year. Focus will be on understanding the morphology of members of this genus and on using keys in the identification of species. Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson manual. Due to physical limitations, class size will be limited to 20 people and participants will be required to have current NPSO memberships (new memberships encouraged). Workshops will be held in 1070 Cordley Hall, OSU campus, enter through northwest door by herbarium. Please register in advance by contacting John Syring at 541-752-0414.

February 9, Monday, 7:30pm

Meeting: Alien invaders—ecology and biological control of invasive plants. Dr. Peter McEvoy, professor in Botany and Plant Pathology at OSU, will be presenting his fascinating work on protecting our local flora from non-native invaders. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

February 28, Saturday, 9:00 am

Workshop Series: *Juncaceae*. Richard Halse, OSU Herbarium curator and professor, will be leading this workshop on the often overlooked *Juncaceae*. Focus will be on understanding the morphology of members of this family and on using keys in the identification of species. Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson manual. Due to physical limitations, class size will be limited to 20 people and participants will be required to have current NPSO memberships (new memberships encouraged). OSU campus, Cordley Hall, room 1070, enter through northwest door by herbarium. Please register in advance by contacting John Syring at 541-752-0414.

Corvallis Chapter Spring Plant Hunt and Photo Competition!

Plant Hunt: Looking for the first flowering native plant of 2004 in a natural ecosystem (no indoor plants/no garden plants) around the Corvallis area. Photo documentation and correct identification required, please email/get photo to me no later than March 5th.

Photo Competition: The theme is 'Spring Wildflowers 2004: Oh to be in the Corvallis Area'. Media and format to be decided by the artist, all photos will be put into digital format and displayed in powerpoint. Please submit photos to me no later than March 5th. Photos will be presented at the March monthly meeting and voted on by the membership at that time. To the victor the spoils: Each winner will receive a \$25 gift certificate to Big River and a coupon for a Native Plant of choice from Willamette Gardens. Good Luck...and think spring!! For more information contact John Syring at syringj@science.oregonstate.edu or 541-752-0414.

Emerald

February 23, Monday, 7:30 pm

Meeting: Rare and Endangered Plants of Lane County. Charlene Simpson, who specializes in Lane County flora, will use a lovely slide show to tell us stories of species losses, gains, and near misses. Charlene is a founding member of Emerald Chapter, state board Director-at-Large, lead author of the recently published *Lane County Checklist*, and co-chair of Emerald Chapter's R & E Committee. 7:30 pm, Room 115, Science Building, Lane Community College.

February 28, Saturday, 9:00 am

Field Trip: Lichen Identification Walk at Mt. Pisgah. Daphne Stone will teach lichen ID on the east side of Mt. Pisgah. Meet 9:00 am at South Eugene High School. We will return by 1:00 pm. For further information call Dave Predeek at 541-345-5531.

March 15, Monday, 7:30 pm

Meeting: The Why, What, When, and How of Landscaping with Native Plants. Join our local forest ecologist, horticulturalist, and landscape designer Whitey Lueck for a talk on how best to use native plants in your yard and garden. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

February 27, Tuesday, 7:30 pm

Meeting: Development of Native Plant Materials for Central and Eastern Oregon. Berta Youtie, Ecologist with Eastern Oregon Restoration Services, will discuss the native plant communities in central and eastern Oregon which are in greatest need of restoration. She will also focus on key species for which native plant stocks need to be developed. Don't miss this exciting and forward-looking topic. Central Oregon Environmental Center, 16 NW Kansas Ave., Bend.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

February 4, Wednesday, 7:30 pm

Meeting: The Yellow Things are Called Petals. First in a series of workshops to make us all competent field botanists. Where else can you go from casual curiosity about wildflowers to being able to identify nearly all the vegetation that is out there? The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

February 10, Tuesday, 7:00 pm

Meeting: Relocating rare plant populations in the Portland area: which ones should we look for first? Tom Kaye and Dick Brainerd, co-chairs of NPSO's Rare and Endangered Native Plant committee, help kick-off the Portland chapter's search for rare plants around Portland. The presentation will establish the groundwork for prioritizing relocation of rare plant populations known to have existed, but not monitored in past years. The Portland chapter will use the information for further research, setting up spring field trips to relocate rare plants, and establishment of a monitoring program. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. Contact Leslie Rossmell, 503-335-3987, lrossmell@hotmail.com.

Siskiyou

February 19, Thursday, 7:30 pm

Meeting: An Ecological Study of Subalpine Flora on Preston Peak in the Siskiyou Mountains. Jamie O'Donnell will share his SOU master's project on the diverse flora and endemic species on Preston Peak. This project establishes baseline data on the sub-alpine flora of this Siskiyou peak for future climate change research. Mountain ecosystems show greater sensitivity to climate change than many other ecosystems because the rate at which climate factors shift along altitude gradients. Meetings are held in room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

March 18, Thursday, 7:30 pm

Meeting: Travels in Japan—A Different Serpentine Experience. Dr. Frank Lang will share one of his recent adventures with a botanical travelogue featuring the serpentine flora of Northern Honshu and Hokkaido. A feast of beer, raw fish, hot springs, and the trail are promised. Dr. Lang is "Founding Father" of the Siskiyou Chapter (1977),

and three-term president of the NPSO. Well known as the producer of the public radio program, *Nature Notes*, and as a teacher of Botany at Southern Oregon University until 1997, it will be a treat to spend the evening with him. Room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

Umpqua Valley

February 12, Thursday, 7:00 pm

Meeting: Orchids of Southern Oregon. Jeanne Standley of the BLM and a chapter member will give a presentation at the Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For more information call Ted Shattenkerk at 541-679-6953.

Willamette Valley

January 31, Saturday, 9:00 am

Workshop: Gardening with Native Plants. The Marion Soil and Water Conservation District and the Willamette University Biology Department are jointly sponsoring this half-day workshop at the Willamette University Law School, Paulus Lecture hall. Topics will include native plant identification, weed management, using native plants in restoration projects, attracting wildlife, and naturescaping. The workshop will be free, and the sponsors will be accepting non-perishable food donations for Marion-Polk Food Share at the event. Refreshments and information packets will be provided. To pre-register, contact Marion Soil and Water Conservation District at 503-391-9927.

February 19, Thursday, 7:00 pm

Meeting: Native Plants and Butterflies. Eric Wold, past president of the Eugene chapter of the North American Butterfly Association, will speak on native plants and butterflies. The meeting will take place in Room 225, 600 State Street, First United Methodist Church. Enter through the door on the State Street side marked, "Church Office." For more information, call John Savage, 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "**Atlas of Oregon Carex**" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Third printing nearly sold out. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Join the Celebration & Reunion at 25th Mount Pisgah Arboretum Wildflower Festival

May 16, 10 am - 4 pm (the weekend after Mother's Day)

"Honoring the Founders: Celebrating 25 years of Wildflower Displays"
Guiding people to make deep and meaningful connections with the natural world

On May 18, 1980 Mount St. Helens exploded and the first Wildflower Festival at Mt. Pisgah Arboretum opened. In 2004 we want to have a grand celebration and reunion of all the folks that have been involved in the festival from the very beginning and over its 25-year history.

If you would like to join us for this special celebration or be involved in any aspect of planning the events please contact Gail Baker, Science Division, Lane Community College, bakerg@lanecol.edu or 541-463-5085. This will put you on the contact list and keep you updated about events.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Nature Journaling with Pen and Watercolor

**February 9 - March 1,
Mondays, 10 am - 1 pm**

Record impressions, experiences and musings of nature, while traveling or in the garden. Naturalist and watercolorist Jude Siegel will share simple techniques in her relaxed way, encouraging you to explore drawing and watercolor skills and increase awareness of nature. No art experience is necessary. Prepare to be outside as well as inside, weather permitting. A supply list is mailed to registrants. \$60 (\$48 BBG Members) Limit 10.

On Friday there will be a social hour and tour of the new LCC Herbarium and Science & Math building, followed by dinner at the new LCC conference & Events Center. Saturday is the Festival set-up, a social and botanical gathering focusing on the important task of the setting up the flower display of over 300 species. Sunday is the day of the festival. Come to the "Identification Table" at the Quonset hut to socialize and help Festival attendees with their botanical questions.

Yamhill Soil & Water Conservation Native Plant Sale

**February 12, 13, 9:00 - 6:00 pm
February 14, 8:00 - 3:00 pm**

It's time to start getting your orders in for the Yamhill Soil and Water Conservation District's annual Native Plant Sale! Due to the huge selection and high quality of the seedlings and bare-root stock, the Native Plant Sale has become very popular with gardeners, farmers and rural landowners alike. For those who have questions, Yamhill SWCD staff will gladly offer advice on choosing, planting, and caring for various species. Although plants can be purchased the dates of the sale, pre-ordering is encouraged in order to ensure availability. No down payment is necessary. Landowners can find order forms and photos of many plants on the district's web site at www.yamhillswcd.org or copies of the order form can be obtained at the office at 2200 SW 2nd Street, McMinnville, or by calling 503-472-6403.

Marion Soil & Water Conservation District Native Plant Sale

**February 20, Friday, 10am-6pm
February 21, Saturday, 9am-5pm**

The Marion Soil and Water Conservation District will be holding its Second Annual Native Plant & Tree Sale near the SWCD office in the Village East Office Complex, located at the northwest corner of the intersection of Lancaster Dr NE and Wolverine St NE in Salem (near McKay High School). At the sale, we will be featuring great prices on bareroot plants and trees including Douglas Spirea, Nootka Rose, Pacific Madrone, Red & White Alder, Vine Maple, and Red-Flowering Currant. Plants will be sold on a first come, first served basis. For questions or more information, please call the Marion SWCD office at 503-391-9927 or visit www.open.org/marisswcd.

ONRC Celebrates 30th Anniversary

**February 21, Saturday, 6 - 10 pm
Lane Community College's
conference center, Eugene**

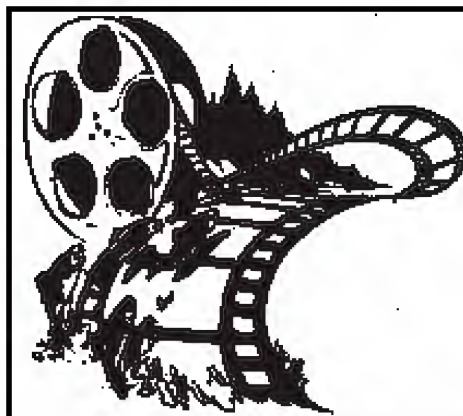
Oregon Natural Resources Council (ONRC) has been working to protect and restore Oregon's wild lands, wildlife and waters for 30 years and it's time to celebrate!

This event includes dinner prepared by the LCC culinary arts program, a no host bar, live music, guest speakers, stories and reminiscences. A silent auction will feature valuable goods and services, including a McKenzie River raft trip for two and a Nova Sports Equipment Haida canoe.

Admission is \$35, and reservations are required by February 13. Details and reservations available by calling Chandra at 541-344-0675.

Helen M. Gilkey Botanical Art Exhibit

The Hallie Ford Museum of Art in Salem, Oregon will feature an exhibition entitled Helen M. Gilkey: the Art of Botanical Illustration, from January 10 through March 13, 2004. On February 13, Dr. Aaron Liston will present a lecture on the history of botanical illustration in the Roger Hull Lecture Hall from 7-8 pm. In addition, a botanical illustration workshop is scheduled for March 20-21 at Willamette University. For further information, please contact Dr. Sharon Rose at rsrose@willamette.edu.



3rd annual Siskiyou Environmental Film Festival Ashland Oregon February 24-29

*Award winning films from around the region and around the world
offering people and the planet hope for the future.*

For more information contact Barry Snitkin at 541-592-4459,
barry@siskiyou.org or <http://www.siskiyou.org/seff/seff.html>

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

First Signs of Spring Walk February 7, Saturday, 1-3pm

Meet at the Visitor Center, rain or shine. Suggested donation \$3.

Neighborhood Hazardous Tree Walks

February 8, Sunday, 1:30-3:30pm
February 15, Sunday, 1:30-3:30pm
February 22, Sunday, 1:30-3:30pm

(co-sponsored by the Eugene Tree Foundation). Walks feature different neighborhoods, trees, and potential hazards. Experts will touch on the importance of 'smart landscaping' and proper maintenance of urban trees. Observe a diversity of healthy, diseased, damaged, and well and poorly maintained trees in the area. Fee: \$5 per person. Pre-registration required.

Lichen Walk February 14, Saturday, 10am-noon

Join local lichen expert Daphne Stone for this informative walk. Learn about the symbiotic relationships between algae and fungi that create the many species of lichens, and explore their ecological importance in Oregon forests and woodlands. Meet at the Visitor Center, rain or shine. Suggested donation \$3.

"Gardening with Nature" workshop series

Taught by Evelyn Hess of Lorane Hills Farm & Nursery. Fee: \$20 (\$15 MPA members). The cost for the entire series is only \$90! (\$65 MPA members) Pre-registration required.

Part 1 Gardening with Nature February 21, Saturday, 1-4pm

Explore gardening methods which will help restore ecological balance instead of conventional ways which can harm the delicate processes of soil and water, deplete natural resources and spread invasive weeds.

Part 2 Knowing & Growing Native Plants February 28, Saturday, 1-4pm

Explore native plants and learn which grow best in what environments, which are appropriate for your garden, and how to use natural plant communities as models for designing your garden.

Trees in the Rural Landscape February 28, Saturday, 10am-1pm

Visit hazard tree demonstration projects, observe trees damaged or toppled during storms, and weakened due to isolation, soil erosion, insect damage or old age. Local arborists will identify and assess damaged trees, and engage participants in discussion, while demonstrating the treatment, pruning, or removal of the hazard. Fee: \$10. Pre-registration required.

Jepson Herbarium Workshops for 2004

by Rhoda Love, Vice-president

The Jepson Herbarium at Berkeley has published its 2004 *Public Workshop Schedule*. Their booklet, which was mailed early in January, offers a variety of programs in Basic Botany, classes in botanical illustration, and field courses. Having participated in a marvelous Jepson Field Workshop in the past, several of the latter caught my eye. For example: "Death Valley Flora;" "Mt. Diablo Flora;" "Big Bear Valley;" "Spring Mountains Nevada;" and "Mt. Lassen Flora." Fees, which fall in the \$200-\$500 range, cover transportation, food, and lodging. For additional information and the full schedule visit: <http://ucjeps.berkeley.edu/jepwkshp.html> or contact Staci Markos at 510-643-7008 or smarkos@socrates.berkeley.edu.

Greene's Mariposa Lily

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the season and dry leaves of other *Calochortus* species (especially *C. tolmiei*) may be indistinguishable from Greene's mariposa lily.

Second, the lily is assumed to exhibit bulb dormancy, possibly for several years at a time, which complicates estimates of population size and trends (Brock 1996, 1988). Therefore, a careful demographic study of Greene's mariposa lily is necessary to help evaluate its status and support its effective management.

Concern over livestock impacts

Much private land lies adjacent to the public land within the geographical boundaries of the National Monument and sections of the monument are still used by some private landowners, particularly for livestock grazing. The proclamation establishing the national monument stated that "the impacts of livestock grazing on the objects of biological interest in the monument" must be studied and determined insignificant

for grazing to continue (Clinton 2000).

In 2001, the BLM completed a Draft Study of Livestock Impacts on the Objects of Biological Interest which describes goals and proposed methods for several projects within the monument, among them a plan for Greene's mariposa lily. Three objectives were identified for the lily: 1) gain better understanding of the plant's biology, 2) determine population trends, including how they are affected by grazing and changing community structure, and 3) evaluate livestock impacts on population size (USDI 2001).

Herbivory is suspected to be the prime threat to populations of Greene's mariposa lily, although encroachment of exotic invasives may also negatively affect the species. Wild herbivores, such as deer, an unidentified moth, and jackrabbits, may have an equal or greater impact on the plant than cattle. It is often difficult to tell what is eating the plants, however, because deer, cattle, and rabbits may leave similar marks on the leaves. Though some herbivory is a natural part of the lily's ecology, current grazing intensity is likely

greater than it has been historically, which may contribute to population decline (Brock 1996, 1988).

A long-term study is initiated

In 2003, IAE began a collaborative project with the Medford District BLM to study the effects of grazing on Greene's mariposa lily and associated vegetation in the monument. The experiment consists of 5 pairs of 2x2 m plots (one fenced and one unfenced in each pair) at each of three sites, for a total of 30 plots. The sites—Agate Flat, Oregon Gulch, and Colestine—were chosen to capture high, medium, and low levels of cattle grazing, respectively, within the monument. The study is planned to last for at least ten years because the effects of fencing to exclude livestock may take several years to show. At this time, only preliminary and baseline information are available.

For each lily in the plots we recorded location, size measurements, and presence of deer/cattle or insect herbivory. Community data were also collected, including percent cover of each species. The number of Greene's mariposa lilies within the plots varied from 3 to 59, with an average of 21. Of the sampled lilies, 24% were reproductive overall. The proportion of lilies that were reproductive was more than twice as great at Agate Flat as the other two sites. Agate Flat is the most heavily impacted by human activities (roads and cattle grazing). Reasons for this pattern are not known, but could include a low establishment rate of juvenile plants in grazed and weedy areas and/or better conditions for flowering at that site.

Herbivory was common in every plot. Wildlife/cattle herbivory was detected on 71% of the lilies and insect herbivory on an average of 36% across the monument, with only a few plants exhibiting both types of herbivory. No obvious differences in grazing intensity were apparent between the sites, suggesting that wildlife do indeed utilize Greene's mariposa lily. Herbivory of flower buds, often their total removal, occurred on an average of 18% of the reproductive plants.

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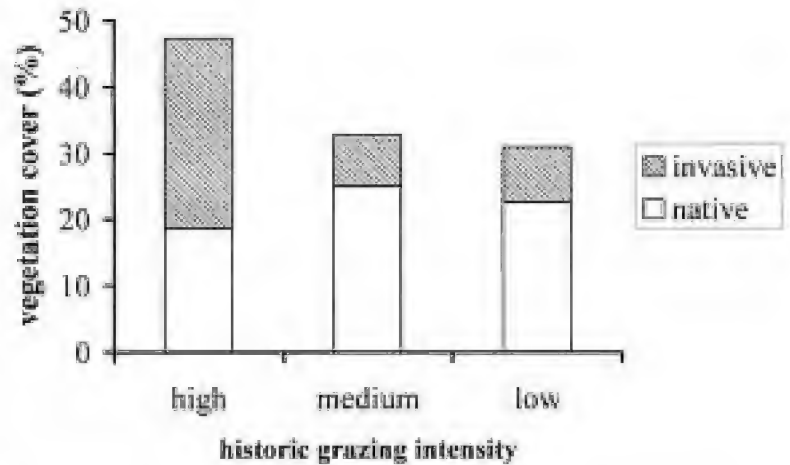


TOM KAYE

Fenced demographic study plot for documenting the long-term effects of excluding livestock on Greene's mariposa lily.



Green's mariposa lily (*Calochortus greenei*) is a rare plant of the Cascade-Siskiyou National Monument.



Percentage cover of native and invasive plants in Green's mariposa lily habitat at three sites with different historic levels of grazing intensity in the Cascade-Siskiyou National Monument.

Greene's Mariposa Lily

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The plant communities at each of the three study sites exhibited differences, but all were invaded by exotic species, such as medusahead rye (*Taeniatherum caput-medusae*), bulbous bluegrass (*Poa bulbosa*) and exotic annual bromes (*Bromus* spp.). At Agate Flat, where grazing by livestock has been historically most intense, vegetation cover was highest and exotic plants made up the largest share compared to the other sites. These baseline conditions represent the pre-fencing environment at the sites against which future samples will be compared.

The Bureau of Land Management completed a draft management plan for the monument in 2002 (USDI 2002). Information from this on-going study of Greene's mariposa lily will help determine appropriate management of this rare species and its habitat, thus ensuring its persistence and contribution to the unique diversity of the Cascade-Siskiyou National Monument.

I would like to thank IAE and NPSO for a wonderful summer experience, especially Tom Kaye and Carolyn Menke, who worked on this project with me. Special thanks to Mark Mousseaux of the Medford BLM for all his help with this project.

Literature cited

- Brock, R. 1996. Draft conservation strategy: *Calochortus greenei*. Unpublished report. BLM-Medford, Lakeview, Redding Districts; USFS- Klamath National Forest.
- Brock, R. 1988. *Calochortus greenei*: Habitat and Threat Analysis. Unpublished report. Medford District Bureau of Land Management.
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- USDI Bureau of Land Management. 2002. Draft Resource Management Plan/Environmental Impact Statement for the Cascade-Siskiyou National Monument. Medford District, Bureau of Land Management, Medford, Oregon.
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The Lovely Calypso: Entanglements with Fungi and Bumble Bees

by Rhoda Love, Emerald Chapter

Fairy slipper orchids (*Calypso bulbosa*) are among the jewels of our Northwest coniferous woodlands. Here the stunning pink orchid is often found in old and moist Douglas fir forests; however, we must overcome any provincial view of this favorite wildflower, for it is not ours alone. In North America, Calypso is broadly distributed and thus associated with many conifer species, among them pines, spruces, and hemlocks. In California, fairy slipper is found in the redwood forests of Marin, Del Norte and Siskiyou Counties. The orchid is found in Washington and British Columbia of course, and in the coastal forests of southeast Alaska. Further afield in North America the species also grows in Arizona, Colorado, Minnesota, Michigan, New York and Maine. Furthermore, and this may surprise you, the same species is well known in the forests of northern Europe and Asia.

The genus *Calypso*, which has but the single species, was named by Linnaeus who may have originally collected the plant on his journeys in Lapland. He named it for Kalypso of Greek mythology who was the goddess daughter of Atlas and Homer's beautiful nymph of the woods. The goddess Kalypso was encountered by Ulysses when wayfarer was shipwrecked on the Island of Ogygia. The word "Calypso" means "concealment," and in this case refers to the flower's place of growth in dense, shady forests.

With respect to Calypso's entanglement with fungi, permit me to digress for a moment to cover a bit of forest ecology and define mycorrhizal relationships. All Northwest tree species so far investigated have been shown to require mycorrhizal fungi for health and optimal growth. In the mycorrhizal relationship, underground fungal filaments wrap tightly around a tree's roots, channeling water and nutrients to the tree. Most local mycorrhizal fungi are Basidiomycetes (the so-called club fungi), and many are well-known mushroom species such as chanterelles,

matsutake, and the poisonous amanitas. As mushroom hunters well know, the fruiting bodies of these species can be found in the root zones of the trees with which they have a mycorrhizal association. Mycorrhizal relationships are incredibly ancient—as much as 400 million years old! The fossil record strongly suggests that the first rootless plants to emerge from water and colonize dry land brought fungi with them and that these aided in obtaining water and minerals in the harsh new environment. Perhaps it is not too great a leap to conclude that mycorrhizal fungi may have enabled plants to colonize the land.

Now, to return to Calypso, our hidden jewel of the forest. Mycorrhizal relationships can be even more complicated, involving two species of higher plant rather than just one. It can be difficult for a small plant, such as an orchid, growing in the shade to intercept enough sunlight for photosynthesis. Consequently, several groups of small forest herbs have evolved an intricate strategy for obtaining food—they receive nutrients from trees via mycorrhizal fungi. This type of association occurs in most orchids and in certain members of the heath family such as Indian pipe. Whereas many of these plants have lost their chlorophyll and cannot make their own food, *Calypso bulbosa* has a single green leaf and can carry on photosynthesis; however, the plant is mycorrhizal as well, and is never found far from the root zone of a conifer.

Finally, how is our demure, hidden Calypso entangled with bumblebees? Here I will quote one of the world's experts on pollination, a man who was one of my favorite and most eccentric professors when I was a student at the University of Washington fifty years ago. Dr. B. J. D. Meeuse, a Dutch-

man and a famous botanist, tells the following story of fairy-slipper pollination: "These lovely, innocent-looking orchids exploit 'greenhorn' (ie. newly hatched) bumblebees. The flowers have nothing of real value to offer; they contain no nectar. However, they look (and smell) like flowers that do have some goodies to hand out. The young bumblebees are fooled, and will visit the *Calypso* flowers, but after a few tries they quit—in disgust, one would be tempted to say (if it were not so unscientific). They are replaced by other greenhorn bumblebees who on subsequent days continue to appear on the scene and have as yet had no unpleasant experiences."

So, in conclusion, our beautiful woodland Calypso has hitched itself to a fungus in order to obtain food from a tree, and also exploits unwary bees in order to set seed. Since many of the Greek gods and goddesses were opportunists in many ways, perhaps the Fairy slipper is aptly named for the goddess Kalypso.

(Marcia Andrews authored an article on Calypso in the May 1988 *Bulletin*, and Jean Herley wrote the most recent in August-September, 2001. An article on Calypso pollination appeared in *Madroño* (28)3, in 1981.)



Fairy Slipper, *Calypso bulbosa*, Fall Creek

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Phone _____ E-Mail _____

Chapter (if known) _____

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

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- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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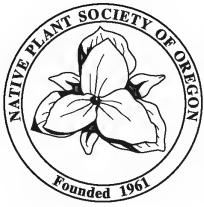
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The Oregon Plant Atlas is Online!

by Scott Sundberg

The Oregon Flora Project is immensely pleased to announce a preview release of the Oregon Plant Atlas. We are presenting this initial version to NPSO members, and would appreciate your review and comments. The Atlas allows users to generate distribution maps of 98% of Oregon's plant species using locality data from over 265,000 records in the Atlas and OSU Herbarium specimen databases. The website for the Atlas mapping program is:

<http://www.oregonflora.org/oregonplantatlas.html>

As this is a work in progress, the site will likely undergo changes before the Atlas is announced to the general public. If you have comments about it you would like to share with Atlas Project staff, e-mail them to: OFPAtlas@oregonflora.org. We are interested in hearing about how you are using the Atlas, as well as any difficulties you may encounter in navigating the website. If you think you have identified a mapping error, instructions on the website explain how it can be reported.

The NPSO and its membership have generously supported the Oregon Flora Project since its inception. It is with deep gratitude that we present this major component of the Flora Project to those who have been so instrumental in its development. The work on the Oregon Flora Project marches on—stay with us and watch as it improves and grows!

Request for an Eastside Conservation Coordinator

An Eastside Conservation Coordinator/Chair is being sought. Thanks to Bob Ottersberg from the William Cusick Chapter who has held the position for the past year. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon east of the Cascade crest. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in serving NPSO in this position, please contact the president at president@NPSOregon.org.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 3

MARCH 2004

NPSO Strategic Planning Proposals

In April 2003, NPSO held a strategic planning session facilitated by Ed Jensen. In that meeting, 20 members assessed the NPSO mission and how our organization could best achieve it. A strategic planning committee was formed to fully develop these ideas and to suggest ways to implement them. The committee is comprised of Linda Hardison, Nick Otting, Leslie Ross-mell, Kareen Sturgeon, and Kelli Van Norman. We have proposed an updated mission statement and a concise list of actions that will help NPSO to achieve its mission. These were approved at the January Board meeting, and are listed below.

More than giving edicts, the committee is charged with developing a plan for how the NPSO can act upon

the action statements. We quickly realized that we have within our membership the resources to become a vibrant, effective, and growing organization. To galvanize these resources we selected increased communication as a first priority. We propose a more effective use of the *Bulletin* (a primary source of information for both members and the general public), improved internal communications, and an annual report to summarize our achievements and goals. Our second proposed priority is a renewed focus on conservation, including efforts to involve more members in this endeavor. The third priority we offer is education; however, we feel our current resources dictate this topic be held for a future date. The Board also approved our committee's request to

begin investigating the potential for obtaining grant funding for NPSO programs. The strategic planning committee will continue to meet and suggest the small steps that we can collectively take to make the NPSO an even more dynamic force in the Pacific Northwest.

Mission Statement

Suggested new mission statement: "Dedicated to the enjoyment, conservation, and study of Oregon's native plants and habitats."

What we do to achieve our mission (action statements):

- **Enjoy:** We have fun while we explore and study Oregon's plants and habitats.
- **Educate:** We share information about the Oregon flora with the general public, schools, policy makers, and others.
- **Research:** We support research that provides new information on the biology, ecology, and status of our native plants and habitats.
- **Advocate:** We identify conservation priorities, respond to policy and procedures affecting native plants and habitats, and propose new actions.
- **Cooperate:** We strive to be an effective organization by collaborating with other individuals and organizations to achieve our goals.
- **Act:** We apply our knowledge and enthusiasm by taking action on projects such as restoring native habitats, gardening with native plants, and compiling comprehensive information about the Oregon flora.

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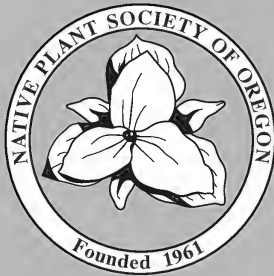
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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsso

General Business Address

P.O. Box 902
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Candidate for NPSO State Secretary

Leslie Rossmell (Portland) is a returning student in ecology, having previously worked in marketing and project coordination after earning an M.A. in Economics from Cornell University. She has spent the last two summers as a field assistant for Washington State University-Vancouver (WSUV) faculty on Mount St. Helens and the prairies of western Oregon and Washington. Leslie is currently a lab assistant for Professor Cheryl Schultz at WSUV, who is conducting research on captive-rearing and habitat restoration for the Puget and Fender's blue butterflies. Next Fall she hopes to be enrolled in a master's program with a focus on our prairie ecosystems.

Friends of the Oregon Flora Project



www.oregonflora.org

Have you used the online Plant Atlas mapping program yet?

This marvelous resource, at www.oregonflora.org/oregonplantatlas.html, represents the quality and depth of work that the Oregon Flora Project is accomplishing. Progress and improvements are happening daily in all facets of the Project, thanks to your contributions. Please help keep the Oregon Flora Project moving forward with a donation today.

Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402

Has Your Membership Expired?

If there is a "03" at the top of your address label, this is the last *Bulletin* you will receive ... until you send your membership renewal for 2004.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.

Conservation Coordinators Needed

Both the Eastside and Westside Conservation Coordinator/Chair positions are vacant and in need of volunteers. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in serving NPSO in either of these positions, please contact the president at president@NPSOregon.org.

State

April 24, Saturday

Board Meeting: Roseburg area. Complete information in the April *Bulletin*.

June 25-27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. Information on lodging, hikes and registration are included in this *Bulletin*.

Blue Mountain

Meetings will be the same time and place, 1st Monday of the month through May. Community Meeting Room, SE corner of City Hall building in Pendleton; use SE corner entrance off rear parking lot. Contact person: Bruce Barnes, 541-276-5547.

March 1, Monday, 7:00 pm

Meeting: Plant and Bird Surveys for the Windmill Generating Project will be discussed by Anne Walsh and Karen Kronner.

April 5, Monday, 7:00 pm

Meeting: Rare Plants on the Umatilla National Forest presented by Jean Wood, botanist with the Umatilla NF.

Cheahmill

March 13, Saturday, 9-noon

Workshop: Alpine Troughs. Mark Akimoff will teach us how to construct a trough suitable for growing alpine and other rock garden plants. Participants must provide a cardboard box of about 12" x 24" or smaller. All other materials will be provided. Fee: \$20; includes handouts and a plant from Illahe Rockeries Alpine Nursery. Workshop location: OSU Extension, Public Works Auditorium, 2050 Lafayette Ave., McMinnville. For more information and to register (required by March 5), call Erin Rainey at 503-435-8589.

March 18, Thursday, 7:00pm

Meeting: Wetland Restoration. Randy Van Hoy of Ducks Unlimited will give an enlightening talk about wetland restoration. He will have great slides to show and insight into the benefits of a healthy wetland habitat. Carnegie Room, McMinnville Public Library, 225 N. Adams St. For more info contact Erin Rainey at 503-435-8589.

Corvallis

March 5: Photos Due

Corvallis Chapter Spring Plant Hunt & Photo Competition! Plant Hunt:

Looking for the first flowering native plant of 2004 in a natural ecosystem (no indoor plants/no garden plants) around the Corvallis area. Photo documentation and correct identification required. Photo Competition: The theme is 'Spring Wildflowers 2004: Oh to be in the Corvallis Area'. Media and format to be decided by the artist, all photos will be put into digital format and displayed in powerpoint. Please submit photos to John Syring no later than March 5th. See February *Bulletin* for more information or contact John at syringj@science.oregonstate.edu or 541-752-0414.

March 6, Saturday, 9:00 am

Workshop Series: Confusing Conifers of Oregon and Other Winter Identification Skills Every Botanist Should Have. Dr. Ed Jensen, OSU professor, will be leading this outdoor workshop using specimens found on campus. Focus will be on understanding the morphological characters used to discern among our diverse array of conifer species. Please bring a hand lens and proper clothing for an outdoor winter excursion. Due to physical limitations, class size will be limited to 20 people and participants will be required to have current NPSO memberships (new memberships encouraged). Please note that we will NOT be meeting in Cordley, but instead at Richardson Hall room 115 (School of Forestry). Please register in advance by contacting John Syring at 541-752-0414.

March 8, Monday, 7:30 pm

Meeting: Spring in the California Grasslands. Loren Russell will deliver what always promises to be an action-packed talk filled with a multitude of exciting slides of native plants. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

Emerald

March 15, Monday, 7:30 pm

Meeting: The Why, What, When, and How of Landscaping with Native Plants. Join our local forest ecologist, horticulturalist, and landscape designer Whitey Lueck for a talk on how best to use native plants in your yard and garden. 7:30 pm, Room 115, Science Building, Lane Community College.

April 26, Monday, 7:30 pm

Meeting: Fighting Fires; Fighting Forests: The Ecological and Environmental Impacts of Fire Suppression.

Dr. Timothy Ingalsbee, Director of the Western Fire Ecology Center for the American Lands Alliance, will speak about why Smokey the Bear was wrong. From an ecological standpoint, forest fires can be beneficial and fighting them can be detrimental. Our forest ecosystems have evolved various adaptations to forest fires, and modern firefighting practices can adversely affect biological diversity and "forest health". Tim will address the ecological and environmental impacts of firefighting, and present alternative strategies for both protecting rural communities from wildfire while also restoring forest ecosystems with prescribed fire. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

March 23, Tuesday, 7:30 pm

Meeting: Deschutes County Integrated Vegetation Management Plan & Highlights of the County Weed Program. Dan Sherwin, Deschutes County Weed/Vegetation Manager, will make a Powerpoint presentation on Deschutes County's IVM Plan. He will also discuss the County weed brochure and focus on invasive exotics of greatest concern to the County. An overview of the history and goals of the Deschutes County weed program will be integrated into a question and answer discussion. Central Oregon Environmental Center, 16 Kansas St., Bend.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

March 3, Wednesday 7:30 pm

Meeting: Leaves, Flowers, Roots, and Fruits. Identifying wildflowers by physical characteristics. Learning field botany in a hands-on workshop. The *Dalles Chronicle* Meeting room, 317 East Third St., The Dalles.

April 7, Wednesday, 7:30 pm

Meeting: Identifying Plant Family Characteristics. More field botany with the live specimens. Learn wildflowers of the Mid-Columbia Region. The *Dalles Chronicle* Meeting Room, 317 East Third St. The Dalles.

April 18, Sunday, 10:00 - 4:00 pm

Event: Annual Wildflower Show. Mosier American Legion Hall. Adjacent to the Mosier Post Office. We will display 259 to 300 labeled plant specimens. Come learn what they look like and what their names are.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jj@oregoncoast.com.

Portland

March 9, Tuesday, 7:00 pm

Meeting: Rare Plants Managed by the Bureau of Land Management.

Join Joan SeEVERS, OR/WA BLM State Botanist, as she presents the threatened, endangered, and sensitive plants being managed by Oregon BLM botanists. Joan has many beautiful slides of Oregon's rare plants with special emphasis on southwestern Oregon. This presentation is part of a lecture series by Portland Chapter focusing on Oregon's intriguing rare and endangered plants. Fireside Room (#355), First United Methodist Church located at 1938 SW

Jefferson St. in Portland. For more information contact Leslie Rossmell, 503-335-3987, lrossmell@hotmail.com

March 13, Saturday, 8:30 am

Field Trip: Catherine Creek. The premiere early flower spot in the Gorge, with *Olsynium douglasii* in profusion, *Fritillaria pudica*, *Lithophragma glabra*, several Lomatiums, and many others. Leave at 8:30 am, Gateway/NE 99th Ave Park and Ride, southeast corner of parking lot. Second meeting place at 9:45 am at Bingen Bakery on SR-14. 120 miles round-trip drive; easy walking 3 to 4 miles, with 500 ft. elevation gain. Call Jan and Dave Dobak at 503-248-9242 for more information.

April 13, Tuesday, 7:00 pm

Meeting: Wake of the Flood—Delphinium Diversity in the Pacific Northwest. What links larkspurs and the Missoula Floods of the Pleistocene? Dr. Keith Karoly, Biology Professor from Reed College will report on his field and laboratory studies investigating the diversity of the lowland larkspurs of the Pacific Northwest, with a focus on the relationship between Nuttall's larkspur (*D. nuttallii*) and the pale larkspur (*D. leucophaeum*), a state-listed endangered species in Oregon. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. For more information contact Leslie Rossmell at 503-335-3987 or lrossmell@hotmail.com.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

March 18, Thursday, 7:30 pm

Meeting: Travels in Japan—A Different Serpentine Experience. Dr. Frank Lang will share one of his recent adventures with a botanical travelogue featuring the serpentine flora of Northern Honshu and Hokkaido. A feast of beer, raw fish, hot springs, and the trail are promised. Dr. Lang is "Founding Father" of the Siskiyou Chapter (1977), and three-term president of the NPSO. Well known as the producer of the

public radio program, *Nature Notes*, and as a teacher of Botany at Southern Oregon University until 1997, it will be a treat to spend the evening with him. Room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

April 10, Saturday, 10:00 am

Field Trip: Upper Table Rock. See a colorful display of spring wildflowers, including the uncommon Southern Oregon Buttercup. Moderate 2.5 mile hike, with 700 ft elevation gain. Meet at 10:00 am in Upper Table Rock parking area (From I-5 take exit 33 in Central Point; go east on Biddle Rd 1 mi; make a left onto Table Rock Rd and drive 5.2 mi, then turn right on Modoc Rd 1.5 mi). Leader: Marcia Wineteer, BLM Botanist 541-618-2200.

April 17, Saturday, 9:00 am

Field Trip: Star Flat (Illinois Valley). See a myriad of unusual wildflowers such as California pitcher-plant, Waldo Rockcress, opposite-leaved Lewisia, and Siskiyou Mountains Pennycress along with more common but nevertheless beautiful wildflowers in an intriguing serpentine fen. Easy 2-3 mile hike. Meet at 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 mi south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247.

Umpqua Valley

March 11, Thursday, 7:00 pm

Meeting: Plant Communities and Associations. 7:00 pm at the Mercy Medical Center Community Education Building, 2459 Stewart Parkway, Roseburg. For more information call Ted Shattenkerk at 541-679-6953.

Willamette Valley

March 18, Thursday, 7:00 pm

Meeting: Flora of Salem's Bush Park and Deepwood Estate. Wilbur Bluhm, professional horticulturist and an expert on plant species native to Oregon, will discuss the wildflowers

found in Salem's Bush Park and on the Deepwood Estate grounds. The free program will be held Monday, March 18 from 7:00 to 8:30 pm at the First United Methodist Church, 600 State Street, Room 225, Salem. The public is invited.

March 27, Saturday, 7:30 am

Field Trip: Catherine Creek/Dalles Mountain Road. Participants will have the opportunity to view the early blooming wildflowers in the Gorge.

Celebrating 25 Years of Wildflower Displays

Mount Pisgah Arboretum Wildflower Festival

May 14-16, (the weekend after Mother's Day)

"Honoring the Founders: Celebrating 25 years of Wildflower Displays"
Guiding people to make deep and meaningful connections with the natural world

On May 18, 1980 Mount St. Helens exploded and the first Wildflower Festival at Mt. Pisgah Arboretum opened. In 2004 we want to have a grand celebration and reunion of all the folks that have been involved in the festival from the very beginning and over its 25-year history.

May 14: Friday LCC Herbarium Dedication and Dinner

4-5:30 pm: Social Hour and Tour the new LCC Herbarium, Science & Math building #16, Room 117. Posters and photos of past festivals and botany student field trips will be on display along with a selection a notable herbarium specimens from the herbarium collection.

6 pm: Dinner LCC Conference & Events Center, Bldg. #19/104

Dinner will be preceded by a short welcome address by Science Division Chair and LCC President and followed by a "Recollections" presentation. Please bring photos or slides from past festivals or LCC Botany classes. A slide projector and electronic projection system will be available.

Dinner Reservations: please send check made out to LCC Science/Celebration, by May 3rd, to Celebration

Come prepared for a long day returning around 6:00 pm. For more information and to register, call John Savage 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

c/o Gail Baker, Science Division, Lane Community College, 4000 E. 30th Ave., Eugene, OR 97405. Make sure to indicate your dinner entrée preference of either a vegetarian pasta with artichoke hearts & tomatoes at \$12.00/person or chicken in lime-tequila sauce at \$15.50/person.

May 15: Festival Set-Up, 8 am-3 pm

Mount Pisgah Arboretum Quonset Hut area. This annual work party is a social and botanical gathering focusing on the important task of the setting up the flower display of over 300 species.

May 16: THE FESTIVAL DAY!

8-9:30 am: Last minute set-up and organizing work party

10 am-4 pm: The festival opens to the public at 10 am. During that time a gathering place in the Quonset hut is at the "Identification Table". Plan to sit and socialize there and help Festival attendees with their botanical questions.

For more information visit <http://teach.lanecc.edu/bakerg> or contact Gail Baker, Science Division, LCC, bakerg@lanecc.edu or 541-463-5085.

OTHER EVENTS

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Lichen Workshop

March 6, Saturday, 10-4 pm

Let local expert Daphne Stone teach you about the symbiotic relationship between algae and fungi that makes a lichen. She will discuss how to collect and identify lichens, and each participant will complete the class with a collection of common lichens to take home. Reading resource: *Macrolichens of the Pacific Northwest* by Bruce McCune and Linda Geiser. Fee: \$30/\$35 Pre-registration required.

"Gardening with Nature" workshop series

Taught by Evelyn Hess of Lorane Hills Farm & Nursery. Fee: \$20 (\$15 MPA members). The cost for the entire series is only \$90! (\$65 MPA members) Pre-registration required.

Native Plant Propagation

March 6, Saturday, 1-4 pm

Investigate seed and vegetative methods for propagating native plants from your own stock or, carefully, from the wild.

Gardening for Wildlife Habitat

March 13, Saturday, 1-4 pm

Learn ways to include food, water, shelter, and space to meet the needs of a diversity of microorganisms, insects, birds, and reptiles. You'll learn how to use both biotic and abiotic elements in creating habitats and take a walk in the Arboretum to see these first-hand.

Early Spring Birds and Flowers

March 14, Sunday, 9-11 am

Join avid birder and Arboretum nature guide Rick Ahrens in discovering the birds and flowers of the Willamette Valley in early spring. Discover the adaptations that allow some birds and flowers to become active earlier than others. Meet at the Visitor Center rain or shine. Suggested donation \$3 (MPA members free).

Landscapes in Watercolor

March 21, Sunday, 1-4 pm

Artist Merideth Ferrell will demonstrate various landscape techniques using vibrant colors and watercolor washes for 'seeing the big picture'. This workshop features plenty of individual attention, going at your own pace, and the inspiration of Mount Pisgah's landscapes. Materials list provided at registration. Fee: \$30 (\$25 MPA members). Pre-registration required.

Spring Wildflower Walk

March 27, Saturday, 10 am-noon

Immerse yourself in the splendor of the Arboretum's native spring wildflowers. Learn about the ecology and how to identify the flowers in bloom on this walk led by local botanist David Wagner. Meet at the Visitor Center. Suggested donation \$3 (MPA members free).

Tree Forms in Watercolor

March 28, Sunday 1-4 pm

Merideth Ferrell will teach specific watercolor techniques to create beautiful tree forms. This workshop is great for all levels. Materials list provided at registration. Pre-registration required. Fee: \$30/\$25.

37th Annual Glide Wildflower Show

April 24 & 25, 9 am - 5 pm

Glide Community Building, 20062 N. Umpqua Highway
(17 miles east of Roseburg, Oregon on Highway 138)

This annual show features over 600 species of plants from southwestern Oregon. Included are exhibits and specimens of wildflowers, trees, shrubs, lichens, liverworts, mosses, ferns, and grasses, all arranged and identified by botanical and common names. Photographs of rare and endangered species are also on display. Botanists will be on hand to answer questions. Suggested donation of \$2 per person is optional. A floral book and identification guide will be available for a nominal charge. General public hours are from 9 am to 5 pm, both Saturday and Sunday. The hour between 8 and 9 am on both days is reserved for photographers only. Monday April 26, the show will open to school groups by advance reservations. For more information call 541-677-3797 or visit www.glidewildflowershow.org.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Pine Needle Basketry

March 6, Saturday, 8:45 am-3 pm

Kim Black will guide us through a modern exploration of a traditional Native American craft. Take home your own handmade pine needle bowl. Kim will have for purchase extra supplies, and a booklet and video that feature additional techniques and ideas. \$40(\$32 BBG Members).

Nature Journaling with Pen and Watercolor

March 19-April 9, Fridays, 10-1 pm

Record impressions, experiences and musings of nature, while traveling or in the garden. Naturalist and watercolorist Jude Siegel will share simple techniques in her relaxed way, encouraging you to explore drawing and watercolor skills and increase awareness of nature. No art experience is necessary. Prepare to be outside as well as inside, weather permitting. A supply list is mailed to registrants. \$60(\$48 BBG Members).

2004 NPSO ANNUAL MEETING IN LA GRANDE

The Blue Mountain and William Cusick Chapters are excited to be hosting the 2004 annual meeting of the Native Plant Society of Oregon in La Grande from June 25th to June 27th, 2004.

ACCOMMODATIONS IN THE LA GRANDE AREA

For more information on the La Grande area, including restaurants, shopping, natural features and maps check out: <http://www.visitlagrande.com> and <http://www2.eou.edu/visitors.html>.

Motels in La Grande

(listed first is closest to our meeting place)

Royal Motel, 1510 Adams Ave.,
1-800-990-7575 or 541-963-4154, Fax: 541-963-3588
www.royal-motor-inn.com

Moon Motel, 2116 Adams Ave., 541-963-2724

Orchard Motel, 2206 Adams Ave., 541-963-6160

Travelodge, 2215 E. Adams Ave.,
1-800-578-7878 or 541-963-7116, Fax: 541-963-2015
www.travelodge.com

Quail Run Motor Inn, 2400 Adams Ave., 541-963-3400

Stardust Lodge, 402 Adams Ave., 541-963-4166

Greenwell Motel, 305 Adams Ave., 541-963-4134

Best Western, 1711 21st St.,
1-800-937-8376 or 541-963-3100, Fax: 541-963-8621
www.bestwestern.com

Sandman Inn, 2410 East R Ave.,
1-888-315-2378 or 541-963-3707, Fax: 541-962-0224

Super 8 Motel, 2407 East R Ave.,
1-800-800-8000 or 541-963-8080, Fax: 541-963-2925

Motel in Union, 15-minute drive southeast of La Grande

Union Hotel, 326 N. Main St., Union, 541-562-6135

Other Accommodations

Stang Manor Bed & Breakfast, 1612 Walnut St.,
541-963-2400

Camping

Camping is available at these campgrounds and RV parks

Travelodge-La Grande, 2215 Adams Ave., 541-963-7116

La Grande Rendezvous RV Resort, 2632 Bearco Loop,
541-962-0909

Sundowner Mobile Park, 1806 26th St., 541-963-2648

Hot Lake RV Resort, 65182 Hot Lake Ln., 541-963-5253

Hilgard State Park, 8 miles W of La Grande
http://www.oregonstateparks.org/park_20.php

Red Bridge State Park, 16 miles W of La Grande
http://www.oregonstateparks.org/park_21.php

Catherine Creek State Park, 23 miles SE of La Grande
http://www.oregonstateparks.org/park_17.php

Emigrant Springs State Park, 24 miles NW of La Grande
http://www.oregonstateparks.org/park_23.php

Nearby Forest Service Campgrounds:
<http://www.fs.fed.us/r6/w-w/rog/reclist-cg.htm>

ANNUAL MEETING FIELD TRIPS SATURDAY, JUNE 26

Field Trips assemble at Hoke College Center on the campus of Eastern Oregon University at 8:00 am with a planned departure time of 8:30 am. Bring plenty of water, lunch, sunscreen, and good shoes/boots on all hikes. More detailed field trip information will be provided via the Internet.

1. GROWISER to Phillips Creek to Summit Road

See what can be done on private property with native plants. Then visit several sites, each at increasing elevation, to view the different stages of phenology of plants of the Blue Mountains. Driving time: 40-60 minutes on gravel roads.

2. Botrychiums galore

With common names like grape fern and moonwort, who cannot resist looking for these minute ferns? This trip will attempt to locate up to 8 species of Botrychiums along the Lostine River area. Driving time 60 minutes. Easy, short walks. Regular cars ok.

3. Ladd Marsh Restoration

See what the Oregon Department of Fish and Wildlife and the City of La Grande have been doing with restoring the marshes that once were abundant in the Grande Ronde Valley. The trip emphasizes changes to riparian plant communities and stream channels in the past few years and the planting/seeding of the area to natives. Driving distance is 10 miles from La Grande. Tour includes easy walks through the marsh. Bring rubber boots or "soakable shoes". This trip is also a good area for bird watching.

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Annual Meeting Field trips

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4. Cusick Creek

Viewing the plants of the sagebrush steppe and grassland are the goals of this hike to the namesake of the William Cusick Chapter of NPSO. Another trip where the bird watchers will want to bring along binoculars. Driving time is 1 hour on good roads to the Telocaset and Thief Valley Reservoir area.

5. Hoodoo and Mottet Enclosures

What effect do ungulates have on the vegetation? These enclosures were established in the 1950s to exclude all ungulate grazing including deer and elk. See native shrubs such as *Paxistima*, *Acer*, and *Sambucus* in their unbrowsed height. Driving time is 70-80 minutes.

6. Anthony Lakes

Hiking at high elevation (7100') to view the sub-alpine to alpine flora of the Elkhorn Mountains. Moderate hike to Hoffer Lakes and Angel Basin. Driving time 60 minutes.

7. Indian Rocks

Auto tour of the Blue Mountains with stops at low and mid elevation forests and meadows. Views of the Grande Ronde Valley and stops along Summit Road. Driving on good forest roads.

8. Hurricane Creek

Hike into the Eagle Cap Wilderness for views of sensitive species of Saxifrage, *Carex* and up to five species of Botrychiums. Driving time: 70 minutes, moderate hiking.

9. Sedges

With sedges at the peak of flowering during this time of year, this field trip will take you to several areas with a high diversity of *Carex*. Riparian shrubs such as *Salix* will be a sub-focus of this trip.

10. Morgan Lake

Nearby Morgan Lake provides an opportunity to view the rich diversity of wildflowers only a fifteen minute drive from La Grande. Aquatic species abound in Little Morgan Lake. Look at the invasive *Potentilla recta* and use a newly developed key for the Potentillas of Eastern Oregon.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "**Atlas of Oregon Carex**" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Highlights of the January 24 Quarterly NPSO State Board Meeting

by Kelli Van Norman, Secretary

We had a packed house of 25 people. Thanks to the Portland Chapter for hosting and to Mandy Tu, Portland Chapter President, and The Nature Conservancy of Oregon for providing a meeting location.

The January Board meeting is when we review and vote on the new year's budget. Membership is down slightly, as is income from EarthShare of Oregon. Luckily we have a \$7,000 grant from the OR/WA Bureau of Land Management (BLM) for this year's *Kalmiopsis* journal featuring Oregon BLM lands and plants. Cindy Roché, *Kalmiopsis* editor, believes it will be a great issue. The recent plea in the *Bulletin* for donations to the Leighton Ho Scholarship Fund received a fantastic response so NPSO is in good shape for awarding several field research grants this year according to Dan Luoma, chair of the Grants Committee.

For NPSO publications, we are looking for another idea and author for an Occasional Paper. Occasional Paper #1, *Atlas of Oregon Carex*, has done well. Rhoda Love, author of Occasional Paper #2, *Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany*, reported that 302 copies have sold since it was published in February 2001.

Michael Hartman, our NPSO web master, has several web page projects he will be working on. Each Chapter should note that Chapter web sites based off the state NPSO web site are available if you find a volunteer web master. The web site bill is already paid so this is a good opportunity.

Our state NPSO Rare & Endangered Plant Committee co-chairs, Tom Kaye and Dick Brainerd, report that they are continuing to develop approaches that local chapters can use to select rare and endangered plants for re-visitation. They are meeting with the Portland Chapter to discuss R&E plants in the metropolitan area and a strategy for prioritizing species and populations. Their intention is that this process prioritizing species and

populations will be applicable to any chapter.

Among old business, the Strategic Planning Committee presented a list of items for the Board to consider. Recognizing that all NPSO work is accomplished by volunteers, the Committee gave suggestions for "baby-step" actions that we can achieve to strengthen our organization within the next few years.

Several Chapter Presidents reported a busy spring schedule. Cheahmill Chapter's annual native plant sale in February with the Soil and Water Conservation District is a very good money-maker. Corvallis Chapter is hosting its

second season of spring workshops. The Mid-Columbia Chapter has also been doing workshops as part of their regular meetings, and their membership has grown as a result. After a long time without a president, Emerald Chapter has a full slate of officers. Emerald Chapter also reported their financial support of the Mending Natural Systems in our Cities conference that occurred October 9-11, 2003 in Eugene.

The next Board of Directors meeting is scheduled for Saturday, April 24th in Roseburg, conveniently scheduled on the same weekend as the Glide Wildflower Show.



Corvallis Chapter hosts *Carex* Workshop

by Laura White

Approximately 15 NPSO members enjoyed a *Carex* workshop hosted by the Corvallis Chapter on Saturday, February 7. Dr. Barb Wilson and Keli Kuykendall co-instructed the three-hour tutorial on how to maneuver through a *Carex* key and identify the appropriate species. Both Dr. Wilson and Keli Kuykendall are local area *Carex* experts and founding members of the *Carex* Working Group, an affiliation of scientists who have spent eight years documenting the distribution and taxonomy of sedges in Oregon. A handy key to *Carex* in the Willamette Valley, constructed by Dr. Wilson, was provided, as were additional reference materials and a guide to vocabulary. The instructors are both familiar with the woes many botanists experience when it comes to sedge identification and caution that if one is planning on collecting a specimen to get help with identification, please be sure to get samples of "roots, shoots, and fruits," as all are essential in correctly identifying a particular species of *Carex*. A tentative field trip to some high Cascade meadows for *Carex* identification and collection was discussed for the summer...stay tuned to the *Bulletin* for future announcements!

Oregon's One and Only

by Jay Lunn, Portland Chapter

In the spring of 1877, William Conklin Cusick (1842-1922), a rancher and amateur botanist living near Telocaset, Oregon, collected a plant in Union County which was submitted to Asa Gray at Harvard. In 1878, Gray commemorated the collector by publishing a description of this plant as a new variety of *Primula angustifolia* (var. *cusickiana*) (Gray, 1878). Eight years later, Gray elevated Cusick's collection to species status (Gray, 1886).

Primula cusickiana is our only native *Primula* and we share it with Idaho. It probably would be more accurate to say that Idaho shares it with us, since it is more widely distributed there than in Oregon! We need not feel too distraught about sharing, because the State of Washington can make no claim to a native *Primula* and the giant State of California has only one species, which incidentally they don't share with anyone. In the taxonomic treatments by John Richards (1993) and more recently Noel H. Holmgren and Sylvia Kelso (2001), have concluded that three previous *Primula* species described from Nevada and Utah should be considered varieties of *P. cusickiana*. If you accept their conclusion, then what I am referring to as *P. cusickiana* would be what they consider to be *P. cusickiana* var. *cusickiana*.

I suspect that a relatively low proportion of Oregon native plant enthusiasts have seen *P. cusickiana* in bloom (or otherwise). Some of the impediments to locating this lovely little plant in flower are: (1) its size, (2) its early blooming period and (3) problems accessing areas it inhabits at the time it is blooming. In Oregon, it is confined to the Wallowa Mountains at elevations from about 3,500' to 6,000'. The several locations where I have seen it were all subalpine openings, with more or less south facing slopes. Most years its blooming period begins in mid April and concludes in early May, concurrent with other early bloomers such as *Dodecatheon* and *Viola*. By early July, it is practically impossible to find any trace

of the dried up plants even if you know exactly where they grow.

In western Idaho, *P. cusickiana* occurs adjacent to the Wallowas in the Seven Devils Mountains. I suspect that plants there grow in similar habitat as those in Oregon. However, along the Snake River plateau east from Emmett to near Craters of the Moon National Monument, this little plant grows with sagebrush at scattered locations with elevations between 2,600' and 5,100'. In these sagebrush communities, *P. cusickiana* blooms in March and early April and, in periods of drought, hardly blooms at all. Its range extends north to Stanley Basin, the mountains near Sun Valley and the White Cloud Peaks. Most of these sites vary in elevation from 6,300' to 8,800'. However in the White Clouds, it becomes a true alpine growing at 10,000' in proximity to an occasional white bark pine (*Pinus albicaulis*). There it blooms shortly after the snow melts in late June or early July and a significant number of the plants have white or intermediate colored flowers. Little will be found of these plants by late July even at this high elevation!

If you have the opportunity to visit the Wallowas in early spring, look for Cusick's primrose at promising sites. Investigate moist, rocky, south-facing openings at about 4-5,000' elevations and ignore meadow areas that produce



JAY LUNN

Primula cusickiana

heavy vegetation. The plants are only 3 to 4 inches tall, so you must be quite observant to find them. Their leaves remind me of those of *Dodecatheon* and may not exceed 3 inches in length, but the best clue to look for is the bluish-violet to purple flowers. Good hunting!

References

- Gray, A. (1878). *Primula angustifolia* var. *Cusickiana*. *Synoptical Flora of North America* 2(1):393.
- Gray, A. (1886). *Primula angustifolia* var. *Cusickiana*. *Synoptical Flora of North America* 2(1):399.
- Richards, John (1993). *Primula*, pp. 102-3. B.T. Batsford Ltd., London.
- Holmgren, N. H. & Kelso, S. (2001). *Primula cusickiana* (Primulaceae) and its varieties, *Brittonia*, 53(1), pp. 154-156. The New York Botanical Press, Bronx, NY.

New Wildflower Website

The Institute for Applied Ecology has developed a new wildflower website, www.appliedeco.org/FlowerFinders.html. The goal of the site is to track Oregon's blooming wildflowers this spring. People can look at photos of wildflowers that they might encounter on their ambles this spring and share with others what they've seen.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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UMPQUA VALLEY (Roseburg) Ted Schattenkerk 3805 Hwy. 42, Winston, OR 97496-9554; 541-679-6953

WILLAMETTE VALLEY (Salem) Position vacant contact Karl Anderson; 503-315-7329

WM CUSICK (La Grande) Frazier Nichol c/o Dick Kenton, 1805 U Ave., La Grande, OR 97850; 541-963-7870

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CONSERVATION, EAST SIDE Bob Ottersberg P.O. Box 885, La Grande OR 97850; 541-963-6043

CONSERVATION, WEST SIDE Steven L. Jessup 208 Harrison St., Ashland, OR 97520-2920; 541-552-6804

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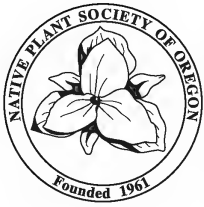
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For Early Wildflowers, Visit the Columbia Gorge

by Gail Baker, Rhoda Love, Tanya Harvey and Charlene Simpson

Eager for a really early start to your wildflower season? In mid-March to mid-April, visit the Columbia River Gorge about an hour's drive east of Portland, specifically the Nature Conservancy's Tom McCall Preserve along the Rowena scenic loop east of Mosier, and the Washington side of the Columbia east of Bingen and White Salmon. Hundreds of spectacular early spring blooms can be seen in these areas. These sites are special because of the two-foot-tall, pink-purple Columbia desert parsley, and the equally tall yellow arrow-leaved balsamroot. Other wonderful flowers include the dainty yellow spring gold, in wet areas, the rusty popcorn flower, the bright blue small-flowered lupine, white varileaf phacelia, parasitic naked broom rape, white or pink narrow-leaved owl clover, bright purple grass widows, and Lily

family members large-flowered triteleia or cluster lily, and yellow bells or *Fritillaria pudica*. And a great many more!

Directions from Portland: Drive the Columbia River freeway I-84 east past Hood River, taking Exit 69 into Mosier. Follow the Scenic Loop road southeast past fruit orchards for 6.6 miles to the Rowena Crest parking area at the Tom McCall Preserve. Be sure to leave your car in the windy parking lot and hike the trail which meanders north toward a spectacular Columbia River overlook. To get to Bingen and White Salmon, continue east on I-84 to Hood River. Cross the toll bridge to the Washington side and drive east on Highway 14, taking side roads into the hills at such locations as Catherine Creek, Major Creek, Rowland Lake, and Lyle. Interesting flowers, Indian petroglyphs and restrooms can be

found at Horsethief Lake State Park about 25 miles east of White Salmon. Watch for poison oak!

Another special spot is McCord Creek Falls in Yeon State Park on the Oregon side of the Gorge. A short hike leads up to a trail cut into a vertical cliff face which is covered with such beauties as *Synthyris stellata*, *Castilleja rupicola* and *Douglasia laevigata*. To see the pink cushions of *Douglasia* in March bring binoculars and look straight up. The trail is not for those with a fear of heights! The trailhead is just east of Exit 37 off of I-84. If coming from the west take Exit 35 and head east.

You will find color photos and maps in Russ Jolley's wonderful book, *Wildflowers of the Columbia Gorge*. The Portland and Mid-Columbia chapters of NPSO regularly lead Spring wildflower hikes along the Gorge.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 4

APRIL 2004

The Mountains of Northeastern Oregon, Pt. 1

by Loren Russell, Corvallis Chapter

A center of scenic beauty and floristic diversity—home to about 2400 species of vascular plants, more than 60 percent of the state's flora—the mountains of northeastern Oregon have long been one of my favorite destinations for hiking and botanizing. The Wallowas and the Blue Mountain complex, which includes the Ochoco, Maury, Aldrich, Strawberry, Greenhorn and Elkhorn ranges, are collectively known as the

Blue Mountain Region and extend for more than 200 miles, from the northeastern corner of Oregon and adjacent southeastern Washington to Prineville in central Oregon. Diverse in its geology, soils, and landforms, half of the region is covered by eruptive igneous rocks, primarily the vast Columbia River flood basalts and the older John Day River ash and rhyolite deposits. There are also large exposures of granite and of sedimentary rocks, including limestone, and some exposures of serpentine rocks; there are significant parallels to the geology of the Klamath region of southwestern Oregon (Bishop 2003).

The western ranges of the Blue Mountain Region are generally lower and drier, the eastern ones higher and wetter. The region is largely covered by ponderosa pine (*Pinus ponderosa*) or mixed conifer forest (Langston 1995), which makes it stand out on a relief map, vegetation map, or satellite image from the adjacent, lower-elevation grasslands and semi-desert of the Co-

lumbia Basin to the north, and of the northern Great Basin to the south. There are also large areas of lower, drier grassland along the John Day and Crooked rivers, and prairies such as those of the Grand Ronde Valley near La Grande and of high basins (e.g., Big Summit Prairie in the Ochocos). In the western part of the region, timberline is reached only on Strawberry Mountain, but in the Elkhorn and Wallowa Mountains, alpine and subalpine vegetation is the most extensive and diverse in Oregon. Unfortunately, most of the alpine zone in these ranges is remote accessible only on multi-day backpack or horseback trips.

It is impossible to do justice to this rich floral region in a single article, so here I will cover just a few reasonably accessible sites with alpine and sub-alpine vegetation; I have not mentioned sites at the western (Ochoco) and eastern (Hells Canyon) ends of the region.

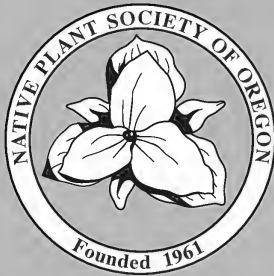
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Don't Forget to Register for the NPSO Annual Meeting, June 25-27!

This year's NPSO annual meeting will take place in La Grande and will be hosted by the The William Cusick and Blue Mountain Chapters. Information on lodging, hikes and registration were included in the March *Bulletin*. Mark your calendars now, and save June 25-27 for a terrific weekend of botanizing.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe nps

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or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Yamhill SWCD Native Plant Sale a Huge Success

The annual Native Plant Sale hosted by the Yamhill Soil and Water Conservation District in mid-February was once again a huge success. According to Tim Stieber, District Manager, over 70,000 bare root and potted native plants, including trees, shrubs flowers and grasses, were sold to landowners and homeowners.

A large measure of the sale's success is owed to the many volunteers who helped the SWCD staff pre-package and sell the plants. In addition to many individuals who donated their time, a special thanks is due to the Cheahmhill Chapter of the NPSO, the Yamhill Basin Council, and FFA students from Perrydale, Dayton, McMinnville and Amity high schools.

Next year's Native Plant Sale will take place in mid-February. To be included on the mailing list for the event please contact Dalena Belden, Administrative Assistant at the Yamhill SWCD, at 503-472-6403 or e-mail her at dalena-belden@or.nacdn.net.

Conservation Coordinator Needed

Darlene Southworth has kindly volunteered to be the Westside Conservation Coordinator. Her contact information is listed under Officers and Committee chairs on page 47.

We still need a Conservation Coordinator/Chair for the Eastside. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in the position, please contact the president at president@NPSOregon.org.

Friends of the Oregon Flora Project



www.oregonflora.org

The Friends of the Oregon Flora Project acknowledges with sadness the death of Bonnie Hall. Her kindness, her enthusiasm and support of the Flora Project, and her talented artistry will be greatly missed.

Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402

Workshops on Pacific Northwest Mosses & Liverworts

Two Bryophyte Workshops are being offered by David Wagner on the University of Oregon campus in Eugene, Oregon. The three-day workshops will be May 6-8 and May 12-14. They are directed toward practicing botanists who desire intensive training in identifying bryophytes. The first workshop, using an ecological approach, is intended for people with minimal experience with bryophytes and the second, using a taxonomic approach, will be at a more advanced level. A serious botanist could take both workshops to good advantage; there will be little overlap of prepared material. For more info, contact:

David H. Wagner, Ph.D.
Northwest Botanical Institute
P.O. Box 30064
Eugene OR 97403-1064
541-344-3327
davidwagner@mac.com

State

April 24, Saturday, 10:00 am

Board Meeting: Oregon Fish & Wildlife office, 4192 North Umpqua Hwy., Roseburg. It's about half a mile beyond the city limits on State Hwy. 138; a large building on the left. There's a sign about 1/4 mile before you get there. Take exit 124 off I-5 and follow the signs for 138 and Diamond Lake.

June 25-27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. For information on lodging, hikes and registration see the March issue of the *Bulletin* or check out the NPSO website.

Blue Mountain

April 5, Monday, 7:00 pm

Meeting: Rare Plants on the Umatilla National Forest presented by Jean Wood, Umatilla NF botanist. Community Meeting Room, SE corner of City Hall building, Pendleton; use SE corner entrance off rear parking lot. Contact person: Bruce Barnes, 541-276-5547.

April 17, Saturday, 8:00 am

Field Trip: Stateline Ridge Wind Farm. Karen Kronner and Jerry Baker will lead a trip to view populations previously thought extirpated from Oregon. Meet at the NE corner of Pendleton Safeway parking lot. Call Jerry if you are planning to go, 541-566-2244.

Cheahmill

April 22, Thursday, 7:00 pm

Meeting: Trees. The Cheahmill Chapter is pleased to sponsor an Oregon Chautauqua program by historian Nancy Appling. Ms. Appling will take us on an arboreal tour of Oregon and beyond. She will illustrate the importance of trees to the history of the Native American tribes and the culture

of Oregon. We will learn about specific famous trees as well as interesting cultural uses for various species of trees. Her presentation will include an entertaining quiz and an unforgettable method for identifying Northwest Evergreens. Ms. Appling's program is made possible by funding from the Oregon Council for the Humanities, an independent, non-profit affiliate of the National Endowment for the Humanities. OCH is dedicated to providing opportunities for life-long learning in communities throughout Oregon. For more about OCH or Oregon Chautauqua, contact Carol E. Hickman at 503-241-0543. Carnegie Room, McMinnville Public Library,

225 N. Adams St. For more about the talk call Erin Rainey at 503-435-8589.

April 25, Sunday, 8:00 am

Field Trip: Rowena Crest. Join us for our annual trip to the Nature Conservancy's Tom McCall Preserve in the Columbia Gorge. On this moderate hike, we will see many beautiful Gorge endemics, vernal pools, and spectacular views. Meet at the Linfield Ave. entrance to Murdock Hall at Linfield College. For more information or to pre-register, call Kareen Sturgeon at 503-472-0866.

Corvallis

April 3, Saturday, 10:00 am

Work Party: Corvallis Chapter Native Garden. Come learn some of the native plants that can be used in landscaping and restoration in the Willamette Valley. Volunteers will each receive a complementary native plant for their time and effort; snacks and refreshments will be provided. We will be working from 10:00 am to 12:30 pm at the Avery House, Avery Park, Corvallis. For more information please contact John Syring at 541-752-0414 or Carolyn Ver Linden at 541-737-5496.

April 12, Monday, 7:30 pm

Meeting: The Science of Botanical Art. Aaron Liston has graciously offered to give a repeat performance of his presentation on the works of Helen Gilkey previously given at the Hallie Ford Museum of Art in Salem. Helen Gilkey was a very active botanist and illustrator of the Northwest Flora, including being the primary illustrator of the *Jepson Manual of California Flora*. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

April 17, Saturday, 9:00 am

Workshop Series: Salix. Danna Lytjen & Nick Otting from the Salix Working Group will lead this workshop.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

April 24, Saturday, 9:00 am

Workshop Series: Asteraceae/Cichorieae (Dandelion group). Dr. Ken Chambers, OSU professor emeritus, will lead this workshop.

For both workshops:

Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson Manual. OSU campus, Cordley Hall, room 1070, enter through northwest door by herbarium. Please register in advance by contacting John Syring at 541-752-0414.

Emerald

April 26, Monday, 7:30 pm

Meeting: Fighting Fires; Fighting Forests: The Ecological and Environmental Impacts of Fire Suppression.

Dr. Timothy Ingalsbee, Director of the Western Fire Ecology Center for the American Lands Alliance, will speak about why Smokey the Bear was wrong. From an ecological standpoint, forest fires can be beneficial and fighting them can be detrimental. Our forest ecosystems have evolved various adaptations to forest fires, and modern firefighting practices can adversely affect biological diversity and "forest health." Tim will address the ecological and environmental impacts of firefighting, and present alternative strategies for both protecting rural communities from wildfire while also restoring forest ecosystems with prescribed fire.

7:30 pm, Room 115, Science Building, Lane Community College.

May 10, Monday, 7:30 pm

Meeting: The Story of Metasequoia.

David Wagner, bryophyte expert, botany teacher, and former curator of the University of Oregon Herbarium, will tell us a dramatic, intriguing tale about the discovery of living *Metasequoia glyptostroboides* trees in China in the late 1940s. This discovery, David notes, was "like finding a living dinosaur" because *Metasequoia* had been originally described from fossils found all over the northern hemisphere.

7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

April 27, Tuesday, 7:30 pm

Meeting: Plant life of the Lewis & Clark trail (with an emphasis on the Columbia River Gorge). Jerry Igo, NPSO Mid-Columbia chapter president, will present slides and discuss native plants recorded in the journals of Lewis & Clark as they passed through the Columbia River Gorge in north central Oregon. Central Oregon Environmental Center, 16 Kansas St., Bend. For more info contact Reid Schuller at 541-317-1901 or 541-317-0199.

May 25, Tuesday, 7:30 pm

Meeting: The Oregon Flora Project—History and Current Activities. Dr. Linda Hardesty of the Oregon State University herbarium will discuss the project in detail. Central Oregon Environmental Center, 16 Kansas St., Bend. For more info contact Reid Schuller at 541-317-1901 or 541-317-0199.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

April 2, Friday, 9:30 am

Field Trip: Catherine Creek, for world class spring wildflowers. Meet at south end of The Dalles bridge over the Columbia River, in the Lone Pine parking lot for car pooling before 9:30am departure. Plan for four to five hours afield. Jerry Igo, Leader.

April 7, Wednesday, 7:30 pm

Meeting: Identifying Plant Family Characteristics. More field botany with the live specimens. Learn wildflowers of the Mid-Columbia Region. The *Dalles Chronicle* Meeting Room, 317 East Third St. The Dalles.

April 10, Saturday, 9:30 am

Field Trip: Catherine Creek. Similar trip to April 2 for those who can't go during the week. Come both times and

see what a difference a week can make in bloom time. Meet at south end of The Dalles bridge over the Columbia River, in the Lone Pine parking lot for car pooling. Plan four to five hours afield. Jerry Igo, Leader.

April 18, Sunday, 10:00 - 4:00 pm

Event: Annual Wildflower Show.

Mosier American Legion Hall. Adjacent to the Mosier Post Office. We will display 250 to 300 labeled plant specimens. Come learn what they look like and what their names are.

May 1, Saturday, 9:30 am

Field Trip: May Day Among the Flowers. We will drive to several different places nearby and see the best of spring in the East Gorge. Same meeting place as other field trips, see above. Jerry Igo, Leader.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jj@oregoncoast.com.

Portland

April 13, Tuesday, 7:00 pm

Meeting: Wake of the Flood—Delphinium Diversity in the Pacific Northwest. What links larkspurs and the Missoula Floods of the Pleistocene? Dr. Keith Karoly, Biology Professor from Reed College will report on his field and laboratory studies investigating the diversity of the lowland larkspurs of the Pacific Northwest, with a focus on the relationship between Nuttall's larkspur (*D. nuttallii*) and the pale larkspur (*D. leucophaeum*), a state-listed endangered species in Oregon. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. For more information contact Leslie Rossmell at 503-335-3987 or lrossmell@hotmail.com.

April 18, Sunday

Field Trip: Memaloose Hills. An East Gorge trip (near Mosier) of 6-7 miles, 800' gain elevation. Flowery meadows and oak parkland with basalt outcrop-

pings. Fields of balsamroot, shooting stars, larkspur, broomrape, *Trifolium macrocephalum*, *Lomatium columbianum*; maybe some *Suksdorfia violacea* and *Brodiaea howellii*. Call Beth, 503-226-7919, for meeting time and place.

May 2, Sunday, 10:00 am

Field Trip: East Gorge Vernal

Wetlands. Come enjoy a very showy hillside of Balsamroots, lupines, *Astragalus hoodianus* and also *Astragalus howellii*, which is rare in the Gorge. At the top are about five large vernal wetlands, with *Camassia quamash* and *Allium douglasii*, as well as many other vernal wetland species. If there is time, we will go a short distance to Chenoweth Table and see if the *Penstemon glandulosus* is blooming yet. Meet at the parking lot of the Columbia Gorge Discovery Center. Take I-84 east to the first exit for The Dalles, and follow the signs to the Discovery Center.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

April 10, Saturday, 10:00 am

Field Trip: Upper Table Rock. See a colorful display of spring wildflowers, including the uncommon Southern Oregon Buttercup. Moderate 2.5 mile hike, with 700 ft elevation gain. Meet at 10:00 am in Upper Table Rock parking area (From I-5 take exit 33 in Central Point; go east on Biddle Rd 1 mi; make a left onto Table Rock Rd and drive 5.2 mi, then turn right on Modoc Rd 1.5 mi). Leader: Marcia Wineteer, BLM Botanist 541-618-2200.

April 15, Thursday, 7:30 pm

Meeting: Rare Plants and Unusual EcoSystems of the Cascade-Siskiyou National Monument. Richard Brock and Richard Callagan will present information from their many years of botanical survey work in the Monument area. A look at some of the "objects of Scientific Interest" that led to the creation of the Monument, including; *Fritillaria gentneri*, *Calochortus greeni*, *Limnanthes floccosa bellingeriana*

and many more of the rare species found there. Also, a brief overview of the vegetation mosaic that tells the story of the convergence of ecoregions in this area of Southern Oregon. Room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

April 17, Saturday, 9:00 am

Field Trip: Star Flat (Illinois Valley).

See a myriad of unusual wildflowers such as California pitcher-plant, Waldo Rockcress, opposite-leaved Lewisia, and Siskiyou Mountains Pennycress along with more common but nevertheless beautiful wildflowers in an intriguing serpentine fen. Easy 2-3 mile hike.

Meet at 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 mi south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247.

Umpqua Valley

April 3, Saturday, 10:00 am

Field Trip: Oregon Dunes to View

Plant Communities and Associations.

Assemble for caravan or carpool at the BLM parking lot, 777 Garden Valley Blvd., Roseburg prior to 8:00 am departure or meet at the Oregon Dunes Visitor's Center at the junction of Hwy 101 and 38 in Reedsport at 10:00 am. Bring water and a lunch. For information call Richard Sommer at 541-440-0612.

April 8, Thursday, 7:00 pm

Meeting: Gardening With Native

Plants, presented by Donna Rawson, chapter member and owner of Oakhill Farms in Oakland along with Ron Hatt, chapter vice president. A list of plants in South and North County will be available as well as handouts of dry/wet/shade/fire/deer resistant plants. The hardest and easiest natives to grow will be discussed. Some giveaways will be available followed by a question and answer segment. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For information call Ron Hatt at 541-863-7024 or Donna Rawson at 541-459-2821.

April 24, Saturday

Field Trip: *Kalmiopsis* and *Cypripedium*.

In conjunction with the NPSO State Board meeting, Ted Shattenkerk, chapter president will lead a field trip to view the *Kalmiopsis fragrans* and the clustered lady's slippers. The *Kalmiopsis* are found on a rock formation up a hill off of Highway 138 and the clustered lady slippers are easily viewed at a wayside picnic area on 138. For information call Ted at 541-679-6953. There will be information available at the board meeting. Trip departure will be after the meeting, probably between 2:00 and 3:00 pm.

Willamette Valley

April 10, Saturday, 10:00 am

Field Trip: Bush Park and Deepwood

Estate. Wilbur Bluhm, professional horticulturist and an expert on plant species native to Oregon, will lead us on a 2-hour wildflower walk in Bush Park and the Deepwood Estate.

April 15, Thursday, 7:00 pm

Meeting: The Polk County Flora

Project—A Status Report. Dr. Bryan Dutton, Western Oregon University professor, will present an overview of this ongoing Western Oregon University project. A primary project objective is to make Polk County flora available via an online interactive program. Computerized interactive keys and geographic information systems (GIS) data will be demonstrated. First United Methodist Church, 600 State Street, Room 225, Salem.

April 24, Saturday, 8:30 am

Field Trip: Native Plant Gardens in

Salem. We will tour some of the best native plant gardens in Salem and visit a nursery afterward. For more info call Aislinn Adams at 503-363-7308.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Designing your Native Garden

Part I: April 3, Saturday, 1-3 pm

Part II: April 17, Saturday, 1-3 pm

Gain insight into how to design your own native plant garden. Create habitat for wildlife and reestablish native plant communities to create an inspiring refuge around your home. Take concepts learned in Part I and apply them to designing and assessing your own native garden in Part II. Spend the class working on your personal design with guidance and tips from Evelyn and David Hess of Lorane Hills Farm & Nursery. This class has a combined fee of \$25/\$30(members/nonmembers). Pre-registration required.

37th Annual Glide Wildflower Show

April 24 & 25, 9 am - 5 pm

Glide Community Building, 20062 N. Umpqua Highway

(17 miles east of Roseburg, Oregon on Highway 138)

This annual show features over 600 species of plants from southwestern Oregon. Included are exhibits and specimens of wildflowers, trees, shrubs, lichens, liverworts, mosses, ferns, and grasses, all arranged and identified by botanical and common names. Photographs of rare and endangered species are also on display. Botanists will be on hand to answer questions. Suggested donation of \$2 per person is optional. A floral book and identification guide will be available for a nominal charge.

General public hours are from 9 am to 5 pm, both Saturday and Sunday. The hour between 8 and 9 am on both days is reserved for photographers only. Monday April 26, the show will open to school groups by advance reservations. For more information call 541-677-3797 or visit www.glidewildflowershow.org.

Arbor Week Celebration

April 4, Sunday, 10 am - 4 pm

Celebrate Oregon Arbor Week at our 3rd annual Arbor Week Celebration. Find treasures for your garden at the largest early-spring plant sale in the area. The celebration includes a bonsai display and a Tree Treasure Hunt activity for families.

Spring Wildflower Walk

April 18, 25, Sundays, 10 am - noon

Immerse yourself in the splendor of the great Arboretum's native spring wildflowers with David Wagner on 4/18 and Adrienne Schartz on 4/25. No two walks are the same—the wildflowers in bloom vary almost weekly throughout the spring. All walks meet at the Visitor Center, rain or shine. Suggested donation \$3 (MPA members free!)

The Art of Nature Photography

April 25, Sunday, 1-4 pm &

April 29, Thursday, 7-9 pm

Go beyond the snapshot to capture the essence of natural scenes and subjects on film. David Stone, local photographer and LCC instructor, teaches this class for individuals with some nature photography experience. Sunday's session focuses on instruction in composition and field photography. Thursday's session allows for discussion and feedback of your developed work. All camera types welcome. Fee: \$30/\$35.

Wildflower Festival & Plant Sale

May 16, Sunday, 10 am - 4 pm

Enjoy a display of hundreds of wildflowers and educational exhibits prepared by festival co-presenters, The Native Plant Society of Oregon. Other activities include a huge plant sale, children's activities, music, guided walks, and food and craft vendors. Suggested donation: \$3 per person or \$6 per family. Members free!

Shady Cove Wildflower Show

May 1 - 2, Saturday-Sunday, 10 - 4 pm

Shady Cove School

Multipurpose Building

The Wildflower Association of Shady Cove - Trail will again sponsor the 23rd Annual Wildflower Show. Over 200 live wildflower specimens found growing in the local area are identified by botanical and common names and will be on display. The show will include educational exhibits, a silent auction, raffles and a plant sale. A botanist will be on site to help identify and answer wildflower inquiries. Shady Cove is a rural community in the Upper Rogue Valley along the Rogue River. Take Hwy 62 north from Medford and follow the signs through town to Cleveland Street and turn left. For added pleasure there is a boutique and garden plant sale, a Quilt Show by the Material Girls, and an Art Fair by the Upper Rogue Artists.

Admission is by donation and proceeds go to benefit the Jackson County Fire District 4 to purchase Emergency Medical and Rescue Equipment. For more information call Call Fran Hazle 541-878-3576 or Clarisse Pitto, 541-878-3055.

North Mountain Park Nature Center Wildflower Walks

April 4, Sunday, noon - 2:00 pm

April 10, Saturday, noon - 2:00 pm

Marvel at spring's wildflower display on a leisurely stroll in Lithia Park. Learn identification tips from instructor Jim Duncan of NPSO and Marcia Wineteer of the BLM. Meet at the Ashland Parks and Rec. office parking lot, at 340 S. Pioneer in Ashland. Adults \$3.00, Children \$2.00. Please call 541-488-6606 to register.



25 Years of Wildflower Posters

by Gail Baker & Rhoda Love, Emerald Chapter

Natural historians in general, and botanists in particular, are trained observers and many can translate what they see into attractive illustrations. Botanical drawings and paintings have been the centerpiece of posters advertising the annual May Wildflower Festival at Mount Pisgah Arboretum since the second year of the festival. The poster collage on this page provides a pictorial history of the diversity of poster design beginning with the 1981 poster featuring the fawn lily, *Erythronium oregonum*, painted by Rhoda Love. At least 16 flower species have graced the posters through the years and two subsequent posters have included the *Erythronium*, one by Anne LoCascio, and a second by Tanya Harvey, a testament to this flower's beauty and abundance in the Northwest. Several students in the botany courses at Lane Community College (LCC) have also shared their drawing talents including a beautiful depiction of dogwood drawn by Tom Baxter.

The large format poster was initiated in 1998 with art and design by Tanya Harvey. Since 2000, a theme for the festival has been chosen, with featured plants highlighting that theme. To provide even more connection between the poster plant and the festival theme, plant profile articles are written by LCC students and faculty and appear in newsletters of the Arboretum and the Native Plant Society of Oregon. This year's poster features our native orchid, *Calypso bulbosa*, abundant along the Arboretum's Incense Cedar Trail during April; its profile by Rhoda Love was published in last month's NPSO *Bulletin*. The orchid is a species with a diversity of ecological and botanical stories that has been used yearly during field trips and walks to illustrate multiple interactions in the plant world.

In May, Dr. David Wagner will give a program about the history of the Wildflower Festival at Emerald Chapter's public meeting. Everyone is cordially invited to the 25th Anniversary celebration. Additional information about the schedule of events was included in the March *Bulletin*.

Are you interested in collecting flowers for the beautiful, informative display at the Festival this year? Please contact Rhoda Love at rglove@oregon.uoregon.edu or 541-345-6241 and she can help get you started with collection guidelines as well as specific areas and species to select. It's fun—come be a part of the show!

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Mosses and Lichens Up Close April 3, Saturday, 10am-12pm

This class will provide a closer look at mosses and lichens and you'll learn more about their structure and role in the ecosystem. Bring a hand lens or borrow one of ours; dress for a stroll in the garden. \$10 (\$8 BBG Members).

A Season of Wildflowers in the Columbia Gorge April 7, Wednesday, 7pm-9pm

Paul Slichter, a Gresham biology teacher and creator of "Flora Northwest," a superb PNW wildflower web site, will share his knowledge of where and when to find favorite wildflowers in the Gorge. \$10 (\$8 BBG Members).

The Berry B.G. Spring Plant Sale April 17, Saturday, 11am-3pm

Whether your love is rhododendrons, primulas, penstemons, alpines, or native plants, plan to be there early for the best selection. Montgomery Park, 2701 NW Vaughn, Portland. (BBG Members get in early at 10am!)

Landscaping Nature's Way April 18, Sunday, 1pm-3pm

Biologically healthy landscapes that support a variety of plants, animals and insects are great places for humans, too! Eugene consulting horticulturalist Whitey Lueck will discuss plant selection, soils, irrigation and maintenance of a naturally landscaped yard. \$15 (\$12 BBG Members)

Nature Journaling April 20-May 11, Tuesdays, 10-1pm

Naturalist and watercolorist Jude Siegel will share simple techniques and encourage you to explore drawing and watercolor skills and increase your awareness of nature. A supply list is mailed to registrants. \$60 (\$48 BBG Members).

The Mountains of NE Oregon

continued from page 37

Elkhorn and Greenhorn Mountains

Between the Wallowas and the Strawberries, these ranges are geologically complex and heavily forested; the higher peaks are heavily dissected by Pleistocene glaciers. The Greenhorns are a little-visited knot of mountains north of US 26, drained by the North Fork of the John Day River. The most attractive botanizing is in the trail system around Vinegar Hill (8131'), Dupratt Springs, and Indian Rock (7353'), which offer some limestone exposures and a tempting range of subalpine habitats.

The abrupt eastern face of the Elkhorns parallels Interstate 84 for 30 miles along the west side of the Powder River Valley. Much of the range is remote wilderness where such boreal outliers as *Bupleurum americanum* and *Geum rossii* are accessible only to hardy backpackers.

At 7100' the Anthony Lakes ski area, 18 miles east of Interstate 84 on Road 73, offers easy access to subalpine lakes and meadows and granite peaks. There is an extensive trail system here. The shortest and easiest, and one of the most scenic, is the Hoffer Lakes Loop (2 miles). Beginning at the end of the road on the west side of Anthony Lake, the trail climbs along a stream to wet meadows full of *Gentiana calycosa*, *Dodecatheon jeffreyi*, *Kalmia microphylla*, and *Allium validum*. Where the trail crosses a ski area service road, turn right to return to the parking area; along the road, straw-yellow *Penstemon confertus* is plentiful, growing with a beautiful pale-pink form of *Ipomopsis aggregata* that is pollinated by a day-flying hawkmoth. More ambitious hikers can return to the Hoffer Lake trail to complete a 7-mile circuit of Angell Peak, Gunsight Mountain, and another wet meadow at Black Lake.

More ambitious hikers may wish to sample sections of the 30-mile long Elkhorn Crest trail. The 11-mile loop from the Peavy Cabin trailhead at the end of Road 380 (off Road 73, southwest of Anthony Lakes) follows the Peavy trail to 7500' Cracker Saddle,

where several trails converge. Return by heading north on the Elkhorn Crest trail, then back to your car by way of the steep Cunningham Creek trail. Another very tempting route that I've never had time to complete follows the Elkhorn Crest trail north from 7800' Marble Pass (on Road 6510, west of Baker City) to Elkhorn Peak (8930 feet) or Twin Lakes, a round trip of 10

to 12 miles. Fifteen miles west of Anthony Lakes at the intersection of Roads 73 and 51, it's worth a short walk to the riverbank at the North Fork John Day Campground to see *Polemonium occidentale* and *Corydalis caseana* var. *cusickii*.

Next month: The Aldrich, Strawberry and Wallowa Mountains.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C.

Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send \$15 payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. \$3 postpaid.

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, \$15 plus shipping. For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes.

Applications for The Jean Davis Scholarship Award are Available

by Thomas Jenkins

The Jean Davis Memorial Scholarship fund was established in August 1979 in memory of Jean Davis, who passed away while on a field trip in the Cascades with several other members of the Willamette Valley Chapter.

Jean was a charter member of the Willamette Valley Chapter, and her husband felt this was the way he wanted to honor her. A request for donations to the fund in lieu of flowers was made and several sizeable donations were received. Mr. Davis then increased the fund to \$10,000 and a committee was formed to set up guidelines for the recipients of the scholarships.

After deliberations it was decided that the recipient must be one that will be attending an Oregon college, and plans to study plant systematics or plant ecology. The recipient is to have completed at least two years of satisfactory college work by July 1 of the year of application, and be a full time student. The award is in the amount of \$1000 and will be paid directly to the school of choice, to be used toward tuition within the following academic year.

Applications are available from:
Thomas Jenkins,
Chairman, Scholarship Committee
14380 Salt Creek Rd.
Dallas, OR 97338

They must be completed and sent to this address no later than May 1 of the year of application. The decision will be made by June 1 and is usually announced at the NPSO annual meeting.

Since the establishment of the Fund, there have been donations in memory of other NPSO members. Any donations will be gladly accepted.

Donations to the scholarship fund are tax deductible and are welcome at any time. All interest earned from the donations is apportioned to as many scholarships as possible in the spring of each year, at \$1000 each. Communications regarding the Fund should be addressed to Thomas Jenkins at the address above.

Rules for Scholarship Awards

- 1) Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
- 2) Scholarships are awarded in the amount of \$1000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
- 3) Awards are made in the following manner:
 - a) A certificate is presented to the recipient.
 - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
- 4) If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Jean Davis Memorial Scholarship Fund.
- 5) Applicants are required to submit:
 - c) In their own handwriting, a statement of academic and career intent.
 - d) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
 - e) Full academic record (transcript).
- 6) The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than May 1. The award will be made by June 1.
- 7) Scholarships cannot be granted to Scholarship Committee members or their relatives.

New Key to Mosses Just Published

Norris, D. H. and J. R. Shevock. 2004. Contributions toward a bryoflora of California. II. A key to the mosses. *Madroño* 51(2):133-269.

The California Botanical Society just published a series of keys to the mosses of California that contain all of the mosses currently documented for the state of Oregon as well. This complete issue of the journal *Madroño* can be ordered directly from the California Botanical Society for \$15 (includes postage). Order forms are available at www.calbotsoc.org or contact:

Jim Shevock, NPS Research Coordinator
U.C. Berkeley, 337 Mulford Hall, MC#3114
Californian Cooperative Ecosystem Unit (CA-CESU)
Berkeley, CA 94720-3114
510-643-0665
jshevock@nature.berkeley.edu

In Memoriam: Bonnie B. Hall, 1931-2004

by Esther McEvoy and the Corvallis Chapter

Our dear Bonnie Hall of the Corvallis Chapter died at her home on February 18 of pancreatic cancer. She was born in Portland, Oregon to Edwin and Alice Birkemeier. She received a BA in biology from the University of Oregon in 1953 and a MA in zoology from the University of California, Berkeley. In zoology classes at Berkeley she met Jim Hall and they were married on September 25, 1955. In 1957 they moved to Ann Arbor, Michigan, where Jim entered graduate school. Based solely on her self-taught skills in illustration gained in completing her master's thesis on the life history of an aquatic fly, she got a full-time job as an illustrator in the University of Michigan Museum, work that supported the family.

Bonnie and Jim came to Corvallis in 1963, along with their two daughters. She worked as an illustrator for 30 years in the now nonexistent Department of Entomology at Oregon State University. Bonnie's illustrations included renditions of insects in pen and ink, carbon dust, and scratchboard.

In 1989, Bonnie was asked to illustrate the Oregon swallowtail butterfly, the state insect, for the centennial of the Department of Entomology. Though she designed the silkscreen print, she did not have the technical skill to produce the final prints, having to rely instead on a local artist friend. This frustration led her to take a serigraph class at Linn-Benton Community College in 1991. Bonnie was undergoing chemotherapy for her second breast cancer while creating her first serigraph print, a deep blue rendition of *Iris tenax*, in the spring of 1992.

Bonnie created five botanical serigraph prints in 1992. That November she had a mini exhibit at her home and invited friends to view her renditions of native wildflowers. Her friends wished to purchase the captivating works of art and thus began the adventure of printmaking for Bonnie.

This same year Bonnie and Jim joined the Native Plant Society of Oregon. Bonnie became an ardent

supporter of NPSO. She was an active member of the Corvallis Chapter. Both Bonnie and Jim came to local meetings and attended many of the annual meetings held around the state.

She was a true scientific illustrator of each of her botanical subjects. She first sketched her plants in the field to capture the true natural form of the plant. Then she visited the OSU herbarium to check on the details of her subject and fashion her notes about each species. She wrote a lovely caption for the back of each of her prints that explains the scientific name of the plant, notes on the habitat, and personal notes about the plant. Her native wildflower prints portray the subject with scientific detail, accuracy, and simplicity. One of her artist friends remarked that she almost always captured the "gesture" of the plant, a critique that pleased her. She was very concerned that her subject should be rendered as closely as possible to how it appears in nature.

The first NPSO committee of the Friends of the Oregon Flora Project approached Bonnie in June 1998 with ideas for fundraising for the Oregon Flora Project. Bonnie offered to sell her *Erythronium oregonum* prints at cost for the project. Many prints were sent to generous donors. The Oregon fawn lily is the logo for the OFP. Thus Bonnie helped us launch the fundraising for Friends of the Oregon Flora Project.

Bonnie also created two T-shirt designs for fundraising for the Corvallis Chapter. The first was the Trilliums, fashioned after her 1993 screenprint. The second was the Peacock Larkspur *Delphinium pavonaceum*, the logo of the Corvallis chapter. She created a beautiful tote bag with three Trillium flowers for the NPSO's 40th anniversary meeting, held in Corvallis in 2001. She also created a number of different T-shirts from her prints for the Entomology Department and the Botany Department. Her note cards and prints were also donated at cost to the Botany Department, where sales benefited the students. Since 1992 these sales have



created a substantial endowment, and the Department is planning to name the fund in Bonnie's memory.

One measure of her approach to life is contained in this caption that she wrote to accompany her "Spring Beauties", which she entered in a cancer survivors' art exhibit in the mid 1990s, shortly after her second experience with breast cancer:

*Coming face to face with Mortality
Focuses on Life as a Circle.*

*Could acquired skills be brought round
To extol Nature's priceless treasures?
Begin with this humble harbinger of
spring*

*(A mustard, Family Cruciferae, four
petals cross-like)*

*Bearing its ephemeral little cross at the
head of*

*The jubilant procession of Wildflowers to
follow.*

Try.

Bonnie Hall
So far a Survivor

Bonnie has left us a beautiful legacy of wildflower prints to remind us of our rich natural heritage. Donations in memory of Bonnie can be made to the Native Plant Society of Oregon. It was her wish that these donations go to the Oregon Flora Project.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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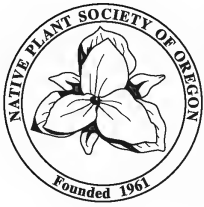
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Brown's Peony (Paeonia brownii), was Bonnie Hall's last print and one of her finest. For more about Bonnie's life and work see the article on p.46.

In Bonnie's words (text to accompany the print):

There really is a wild peony in the Pacific Northwest, but only just this one species. It is big and showy, and yet easily overlooked. No wonder the intrepid Scottish plant collector David Douglas considered finding the peony one of the most important events of his travels. Just 20 years after Lewis and Clark wintered on the Pacific Coast, Douglas systematically explored some of the same territory alone, gathering specimens for the Horticultural Society of London. He collected the peony in 1826 in the Blue Mountains and honored it appropriately with the name of Robert Brown, a fellow Scot and eminent British botanist of the time.

I first met Brown's peony along the Little Blitzen River on Steens Mountain where striking dried seedpods flanked the trail in late summer. To see foliage and flowers required other places other years. Look for the deeply incised thick green foliage sheltered under sagebrush and pines on the drier eastern side of the Cascade Range and throughout much of the arid Far West.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 5

MAY 2004

The Mountains of Northeastern Oregon, Pt. 2

by Loren Russell, Corvallis Chapter

Part one of this article appeared in the April issue of the Bulletin. Why not check out some of these great locations on your way to or from this year's annual meeting in La Grande.

Aldrich and Strawberry Mountains

These two ranges rise in a 50-mile front south of the John Day River between Dayville and Prairie City. They are largely composed of Mesozoic to mid-Tertiary volcanic rocks; there are significant exposures of serpentine rocks in both ranges. To the west is the Aldrich Range; generally lower and less glaciated, it is best visited in late June or early July. Most of its trails are accessible via paved Road 21 from US Highway 26, and there are many roadside delights in the first miles of this route, including *Penstemon eriantherus*, *Mimulus cusickii*, and a beautiful endemic composite, *Luina serpentina*. Fields Peak (7363') is the highest peak, a 2-mile climb from a trailhead 11 miles south of US 26 on Road 2160. From the summit of Fields Peak, it's worth following ridgetop trails to McClellan Mountain or to Moon Mountain, each about 2.5 miles. A wide range of grassland, outcrop, and scree species grow on these summits, including *Lewisia rediviva*, *Claytonia nevadensis*, and *Phacelia sericea*.

Farther west in the Aldrich Mountains, there are several good localities along Road 21 and 2150: the Cedar Grove Botanic Area on 2150, 9.5 miles from Road 21; a serpentine barren at

Cabbage Patch Camp at 16 miles; and the summit lookout at 7000' Aldrich Mountain at 18 miles. At Cedar Grove, a 1-mile trail descends into an isolated grove of *Chamaecyparis nootkatensis* with many boreal and moist-forest understory plants, including *Calypso bulbosa* and *Cypripedium montanum*.

The Strawberry Mountains lie within the Strawberry Mountain Wilderness Area (designated Wilderness Areas are roadless and have other restrictions). This range is dominated by Strawberry Mountain (9038') and Slide Mountain (8500'). Glaciation here was extensive and left behind several cirque lakes, the largest of which are Strawberry Lake, High Lake, and Slide Lake.

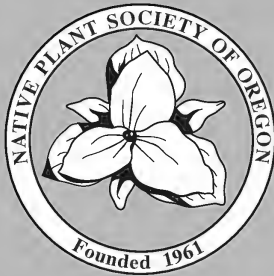
There is a wonderful trail to Strawberry Mountain from Indian Spring Butte. The 7800' elevation trailhead on the southern boundary of Strawberry Mountains Wilderness is a quarter-mile from the end of Road 1640, 40 miles from John Day on US 395, Road 15, and Road 16. This is a 3-mile, mostly level hike to the base of Strawberry Mountain, with the summit another half-mile and 600-foot climb. The trail follows an old road through sagebrush and open pine and juniper forest for the first mile; in late July, there is a wonderful display of *Linanthus nuttallii*, *Phlox hoodii*, *Eriogonum flavum*, and *Penstemon attenuatus*. This area is generally dry, but along the trail there are snowmelt patches with *Lewisia triphylla*, *L. pygmaea*, and a variety of

tiny annuals, and permanent seeps with *Mimulus lewisii* and *Platanthera dilatata*. At the end of the abandoned road, the trail (signed as the Onion Creek trail) continues north through rocky slopes and forest burned in 1996 and again in 2002. At the base of Strawberry Mountain, there is an overlook to Strawberry Lake, and a "rock garden" with *Penstemon attenuatus*, *Eriophyllum lanatum*, and *Epilobium obcordatum*. At the northeastern edge of its range, this

continued on page 57

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

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To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe nps

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Eugene, OR 97440
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Don't Forget to Register for the
2004 NPSO Annual Meeting
June 25-27!

Conservation Coordinator Needed

We still need a Conservation Coordinator/Chair for the East-side. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required.

If you are interested in the position, please contact the president at president@NPSOregon.org.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.

Jean Davis Scholarship Application

In last month's *Bulletin* it was stated that the Jean Davis Scholarship application was due April 1st. The actual deadline is May 1st.



What could be more beautiful than a spring day in the Columbia Gorge?! Here the Balsamorhiza is in full bloom on April 7th at the Nature Conservancy's Tom McCall Nature Preserve. A number of chapters are sponsoring hikes along the Gorge this month. See the Calendar for details.

TANYA HARVEY

State

June 25–27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. For information on lodging, hikes and registration see the March issue of the *Bulletin* or check out the NPSO website.

Blue Mountain

May 2, Sunday, 8:00 am

Field Trip: Linton Mtn. Jerry Baker will lead a trip from the South Fork of the Walla Walla River up Linton Mtn. Road to the Tollgate Chalet. Meet at the NE corner of the Pendleton Safeway parking lot. Call Jerry if you intend to come; 541-566-2244.

May 3, Monday, 7:00 pm

Meeting: Joy Jaeger will show flower slides from her property NE of Ukiah. Community Meeting Room, SE corner of City Hall building in Pendleton; use SE corner entrance off rear parking lot. This will be the last meeting until fall.

May 22, Saturday, 8:00 pm

Field Trip: Umatilla Forks. Bruce Barnes will lead a trip to the Umatilla Forks campground and up the trail into the Umatilla Wilderness Area. NW Park Pass required for vehicles, and group size limited to 12 by USFS. Call Bruce if you intend to come; 541-276-5547.

Cheahmill

May 23, Sunday, 8:00–5:00 pm

Field Trip: Valley of the Giants, BLM Outstanding Natural Area. All-day trip to see an ancient forest of 400- to 450-year-old, 200' tall Douglas-fir and western hemlock in the Coast Range near the abandoned logging town of Valsetz. Short (about 1.5 mile), easy loop trail at the site. Excursion requires

driving on gravel roads, so carpooling necessary. Meet at the Linfield Ave. entrance to Murdock Hall on the Linfield College campus at 8:00 am. Trip leaders: Susan Aldrich-Markham and Brad Withrow-Robinson (Cheahmill Chapter) and Dan Luoma (Corvallis Chapter). Call Susan Aldrich-Markham at 503-434-8917 for details and to pre-register (REQUIRED!)

Corvallis

May 2, Monday, 11:00–5:00 pm

Event: Spring Garden Sale. The Corvallis Chapter will have a booth at the spring garden sale, along with numer-

ous other garden supply and garden craft vendors. This is a great place to purchase some really inexpensive natives for your own yard. We are also looking for volunteers to help staff our booth. The garden sale is held in front of the Corvallis Art Center, across from the Public Library. There is no charge to attend. For more information contact John Syring at 541-752-0414.

May 10, Monday, 7:30 pm

Meeting: The Current Status of *Delphinium pavonaceum*. Brie-Anne McKernan will present her research in the restoration and recovery of our own Chapter logo plant. Brie-Anne has been studying our local *D. pavonaceum* populations for the last three years—come hear her insights into how our chapter can make a difference in the recovery of this threatened species. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

May 23, Sunday, 8:00 am

Field Trip: Valley of the Giants Part II. Last fall our chapter went on a mushroom excursion to the Valley, now we are going back in for the plants. Susan Aldrich-Markham and Brad Withrow-Robinson, from the Cheahmill Chapter, will be co-leading this trip with Dan Luoma. Corvallis area folks meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 8:00 am. You can also meet up with us at Fern Corner, the intersection of Kings Valley Highway (223) and Falls City Rd., at 9:00 am. There will be a good deal of driving on gravel back roads under potentially adverse weather conditions. Contact Dan Luoma at 541-752-8860 for details.

Emerald

May 10, Monday, 7:30 pm

Meeting: The Story of *Metasequoia*. David Wagner, bryophyte expert, botany teacher, and former curator of

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

the University of Oregon Herbarium, will tell us a dramatic, intriguing tale about the discovery of living *Metasequoia glyptostroboides* trees in China in the late 1940s. This discovery, David notes, was “like finding a living dinosaur” because *Metasequoia* had been originally described from fossils found all over the northern hemisphere. Come to hear David recount details of a thrilling botanical find and learn the important role that Eugene played in this story. Join us for an evening that combines paleobotanical science with a tale of chicanery and deception by a high-ranking American academic, all set against the backdrop of the Chinese Communist Revolution. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

May 11, Tuesday, 6:00 pm

May 18, Tuesday, 6:00 pm

May 26, Wednesday, 6:00 pm

Field Trip: Pilot Butte State Park: Stop the Alien Invaders! The Butte is a special natural feature in the urban sea of Bend. This half million-year-old volcano has intact native bunchgrass communities over much of its flanks and springtime wildflowers abound. Unfortunately, in the last 10 years spotted knapweed, toadflax, cheatgrass, sweet-clover, and mullein have begun to replace native plants. In cooperation with the State Parks Division and Pilot Butte Partners, we are pulling weeds to stop this invasion in its early stages. Bring gloves, wear sturdy footwear, and meet at the eastside parking lot at the base of the Butte at 6:00 pm for an hour of weed pulling! Call Stu Garrett for more information: 541-389-6981 eves.

May 23, Sunday, 8:30 am

Field Trip: Blue Pool Paul Edgerton, retired research ecologist with the Forest Service, will lead this moderate hike. We will start at Carmen Reservoir and hike to the Blue Pool, about 7 miles round-trip. For more info and to sign-up, contact either Paul at 541-549-1678 or Linda Fava at 541-312-3692. This trip will depart from the Pilot

Butte State Park parking lot promptly at 8:30 am and return late afternoon.

May 25, Tuesday, 7:30 pm

Meeting: The Oregon Flora Project—History and Current Activities. Dr. Linda Hardison of the Oregon State University herbarium will discuss the project in detail and will be emphasizing the recent products and services developed by the project. This is a “must see” for all interested in the native flora of Oregon. Central Oregon Environmental Center, 16 Kansas St., Bend. For more information contact Reid Schuller at 541-317-1901 or 541-317-0199.

June 12, Saturday, 8:30 am

Field Trip: Crooked River National Grasslands Restoration Project. The National Grasslands is planning on restoring 50,000 acres of public land that has lost much of its natural character and native plant species. This easy hike will look at several areas planned for restoration and examine in detail the species and methods to be used. A great opportunity to learn more about the natural history of Central Oregon from the experts in ecology that will be on the trip. Easy hiking. We'll depart from the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon. Call Stu Garrett, trip leader, for more info: 541-389-6981 eves.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

May 1, Saturday, 9:30 am

Field Trip: May Day Among the Flowers. We will drive to several different places nearby and see the best of spring in the East Gorge. Meet at south end of The Dalles Bridge over the Columbia River, in the Lone Pine parking lot for car pooling before 9:30 am. Plan 5 hours in the field and bring lunch and water. Jerry Igo, Leader.

May 5, Wednesday, 7:30 pm

Meeting: The Adventure Begins; Lewis and Clark, Pioneering Naturalists. Jerry Igo. The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

June 2, Wednesday, 7:30 pm

Meeting: Flowers Give Way to Fruits and Seeds—Responsible Collection for your Wildflower Garden. Michael Igo. The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jj@sregoncoast.com.

Portland

May 2, Sunday, 10:00 am

Field Trip: East Gorge Vernal Wetlands. Come enjoy a very showy hillside of Balsamroots, lupines, *Astragalus hoodianus* and also *Astragalus howellii*, which is rare in the Gorge. At the top are about five large vernal wetlands, with *Camassia quamash* and *Allium douglasii*, as well as many other vernal wetland species. If there is time, we will go a short distance to Chenoweth Table and see if the *Penstemon glandulosus* is blooming yet. Meet at the parking lot of the Columbia Gorge Discovery Center. Take I-84 east to the first exit for The Dalles, and follow the signs to the Discovery Center.

May 8, Saturday, 9:00 am

Field Trip: A Botanical Meander Through Gresham. Do you ever wonder about what botanical wonders await in your own neighborhood? Join NPSO members Elena Efoli and Jamie Sheahan (City of Gresham) for an exploratory walk through Gresham Butte, Gresham Woods, and then, depending on people's interest, a few other places of botanical interest. After we'll lunch together. Meet at 9:00 am at the “Gresham City Hall” MAX Park & Ride on the corner of Division and Eastman

Parkway (223rd). Parking is available at the Park & Ride, park cars next to Max Station. Contact Elena at 503-492-2655 or elena.respect@mailstation.com for more information.

May 11, Tuesday, 7:00 pm

Meeting: Oregon Natural Heritage Information Center. Botanists Sue Vrilakas and John Christy will present information about Oregon's Natural Heritage program and the rare and endangered plants of our state. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. For more information contact Leslie Rossmell at 503-335-3987 or lrossmell@hotmail.com.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

May 1, Saturday, 9:00 am

Field Trip: Serpentine Flora in Illinois Valley. We shall see how geologic age, habitat, and number of genera elucidate the high biodiversity and endemism of fen and dry serpentine plants in the Illinois Valley. Short, easy hikes. Meet 9:00 am at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46, heading toward Oregon Caves National Monument. Leader: John Roth, Geobotanist, Cave Junction NM, 541-592-2100 x 254.

May 8, Saturday, 8:30 am

Field Trip: Rogue River (downstream from Graves Creek). Moderate 4 to 6-mile hike to look at the plants along the wild and scenic portion of the Rogue River Trail. Reference: *Rogue River Trail Flora Guide*, available for \$5 at the Medford BLM office in Medford, the Siskiyou National Forest office in Grants Pass, and the BLM Rand Visitor Center in Galice (we can stop there briefly enroute). Meet 8:30 am at US Forest Service Bldg, 200 NE Greenfield Rd, Grants Pass, just north of Exit 58 off I-5. Leader: Armand Reibischke, Botanist, BLM Medford District, 541-618-2435.

May 15, Saturday, 9:00 am

Field Trip: Illinois River Trail. The field trip will take us toward the heart of the huge Biscuit Fire of 2002. We'll get a very good look at the regeneration of fire-adapted oak trees and other plants. Along with many other flowers, including Rush Lily and Waldo Rock-creep, we'll see a population of Western Sophora, a rare plant that was originally found by and named for one of Oregon's best known pioneer botanists, Lilla Leach. Easy 2-3 mile hike on a good trail, but the slope from the trail to the Illinois River is steep and precipitous. Recommended prior reading: Don Begnoche, *Siskiyou Sundays* pp. 91-100; Kirkpatrick, Holzwarth, and Mullens, *The Botanist and Her Mule-skinners*, pp. 63-103. Meet 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Registration is necessary; contact leader Don Heinze, 541-955-7247, dheinze@uci.net if you intend to go on this field trip.

May 16, Sunday, 9:00 am

Workshop: Wildland Grasses (Fish Hatchery Park, Grants Pass). Learn to key and identify common grasses of southwest Oregon; find out the natural history of and historical facts about grasses. Bring pencil, paper, clipboard, hand lens, and digging tool. Easy 1-mile hike. Meet 9:00 am on left (east) side of Fred Meyer parking lot on the Parkway in Grants Pass; or at 9:45 am, north side parking lot of Fish Hatchery Park. Leader: Don Heinze. Registration is necessary; call or e-mail Don at 541-955-7247 or dheinze@uci.net if you intend to participate in this workshop.

May 22, Saturday, 9:00 am

Field Trip: Free 'n Easy Creek (Illinois Valley). This trip will take us in and out of serpentine soils. We will explore the fen at Free 'n Easy Creek, serpentine rock outcrops, and oak woodlands. We should see *Senecio hesperius*, *Darlingtonia californica*, *Cypripedium californicum*, *Lilium bolanderi*, *Lewisia oppositifolia*, and many other species! Moderate 3-mile hike. Meet 9:00 am at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199

on Hwy 46, heading toward Oregon Caves National Monument. Leader: Cecile Shohet, Botanist, Siskiyou NF, 541-592-4052.

May 29, Saturday, 10:00 am (Memorial Day weekend)

Field Trip: Otter Point (near Gold Beach). We may see Large-flowered Goldfields (threatened in Oregon) and Black Crowberry (rare in California). Easy hike above beach. Recommended reading: Don Begnoche, *Siskiyou Sundays*, pp. 67-73, 75-79. If you are coming for the whole weekend, we can recommend other wildflower walks that you can take on your own on Sunday, May 30. Meet 10:00 am at US Forest Service Ranger Station, 29279 Ellensburg Ave, Gold Beach. Leaders: Jennifer Hutchinson, Botanist, Siskiyou NF, 541-247-3654, and Veva Stansell.

June 5, Saturday, 9:00 am

Field Trip: Return to Star Flat (Illinois Valley). The rare serpentine fen plants should be blooming by now. We may see real rarities such as Waldo Gentian, Serpentine Sedge, Howell's Mariposa Lily, and Large-flowered Rush Lily, along with the uncommon California Lady's Slipper, as well as Vollmer's Lily, bog orchids, serpentine rush lilies, and other beauties. Easy 2- to 3-mile hike. Meet 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247.

June 12, Saturday, 9:00 am

Field Trip: Dunlop Meadow and Dunlop Trail to South Fork Little Butte Creek. Meadow and wetland plant communities, old homestead, rich conifer forest. Primitive trail with a little bit of cross-country; 3.5 mile hike, with 500 ft elevation change. Access is via gravel roads suitable for passenger cars. Meet 9:00 am in Ashland BiMart parking lot next to fence along Tolman Creek Rd. (intersection of Ashland St and Tolman Creek Rd, Ashland, near I-5 exit 14). Leader: Wayne Rolle, Botanist, Rogue River NF, 541-482-0093.

Umpqua Valley

May 13, Thursday, 7:00 pm

Meeting: Election of officers and planning for spring and summer field trips. Speaker and topic to be announced later. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg.

May 15, Saturday, 8:00 am

Field Trip: Boomer Hill to see Crinite mariposa lily, *Calochortus coxii*, an endangered species found only in a small area in Douglas County on serpentine soils. Meet at the BLM office. Call Ron Hatt at 541-863-7024 or Ted Schattenger at 541-679-6953 for information.

Willamette Valley

May 1, Saturday, 7:30 am

Field Trip: Tom McCall Preserve. We will view the wildflowers in the Tom McCall Preserve on the eastside of the Columbia Gorge. For more information or to register, call John Savage at 503-399-8615.

Joan Seevers Wins National Karl Urban Celebrating Wildflowers Award

by Kelli Van Norman, Portland Chapter

May is a month of activities for the Celebrating Wildflowers Program sponsored by Bureau of Land Management, Fish and Wildlife Service, and National Park Service, as well as a large number of other partners. This May we have another reason to celebrate wildflowers in Oregon. Joan Seevers, the Oregon/Washington BLM State Botanist has won the national Karl Urban Celebrating Wildflowers award. Dale Bosworth, U.S. Forest Service Chief, and Kathleen Clarke, Director of the BLM presented the award to Joan on March 17th at the 29th North American Wildlife and Natural Resources conference in Spokane.

The award was established in 1999 to honor wildflower advocate,

May 22, Saturday, 7:30 am

Field Trip: Dog Mountain. We will view the wildflowers on Dog Mountain located in the Columbia Gorge on the Washington side. This is a difficult hike, but we will go slowly. For more information on what to bring, where to meet or how to register, call John Savage 503-399-8615.

May 29-31, Saturday through Monday, 8:00 am daily

Field Trip: Siskiyou—Places to Be Announced. Plant expert Wilbur Bluhm will lead his annual Memorial Day weekend field trip at sites near the Siskiyou. Each field trip is independent of those of the other days, enabling a person to participate in field trips for one, two or all three days. For details and more information, call Wilbur Bluhm at 503-393-2934.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

ONDA'S Wilderness Research & Rescue Program

by Peggy Robinson, Emerald Chapter

The Oregon Natural Desert Association (ONDA) is in the midst of an ambitious program to map unprotected wilderness quality public lands in Central and Eastern Oregon. The goal is to present the results to the Bureau of Land Management (BLM) to have these de facto wilderness areas become official Wilderness Study Areas and thus receive the interim protection from development which this status confers.

This summer the focus is on Hart Mt. and the BLM Lakeview District which includes such spectacular areas as Summer Lake, Lost Forest, and Abert Rim. (In previous years the focus was on Steens Mt. and the Owyhee Canyon.)

Volunteers are needed to go on mapping expeditions to help inventory these wildernesses. These trips provide the opportunity to experience firsthand some of Oregon's most spectacular high desert country and discover secret places you might not find on your own. The work includes hiking, driving, photographing, mapping and note taking. ONDA provides the training as well as GPSs and digital cameras.

Dates of upcoming expeditions: June 25-28, August 1-3 (on Hart Mt.) and September 29-October 5.

ONDA also has nine Wilderness Fence Pulls on Steens Mt. scheduled for this summer.

To sign up or get more information contact Chris Egertson, 541-330-2638 or cegertson@ONDA.org. You can also check out the ONDA website: www.ONDA.org.

Siskiyou Project

For more information call 541-592-4459 or go to www.siskiyou.org.

Squaw Mtn Forest & Fire Ecology May 15, Saturday, 9 am to 4 pm

Moderate hike with Romain Cooper, meet at the Selma Market.

Wildflowers

May 16, Sunday, 8:30 am

Easy hike with John Roth. Meet at the IV Visitors Center.

Environmental Films

May 18, Tuesday, 7 pm

County Building, Cave Junction
Next Industrial Revolution, Trespass & Esmeraldas.

Rough and Ready Creek

May 22, Saturday, 8 am

Moderate hike with Gordon Lyford. Serpentine & mining. Meet at the O'Brien Store.

Anderson West

May 23, Sunday, 10 am

Moderate Forest Ecology hike. Meet at the Selma Market.

The Siskiyou Field Institute

Natural History Programs In and About the Klamath-Siskiyou

Check the SFI website www.siskiyou.org/sfi to learn more or to register for courses. Or contact SFI at institute@siskiyou.org or 541-592-4459 to receive a catalog.

The Siskiyou Field Institute (SFI) brings together the region's leading scientists and students interested in learning more about the natural history of the Klamath-Siskiyou region of Southern Oregon and Northern California. Courses are available for a wide range of skill and age levels, from nature awareness for kids to technical scientific studies of the region's biota. Birds, botany, butterflies, fish, fungi and fire ecology are just some of the subjects offered during our main sessions:

- **June 3-6: based in Cave Junction, Oregon**

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Flower Identification

May 7, Friday, 9 am -12 pm

Snapdragons, roses, carnations, lilies—build upon your familiarity with these common garden plants and learn how to identify their "wild" relatives in the field. This class is jam-packed: hands-on flower activities, a slide show, and an exploration of the garden will help you hone your identification skills. If the weather is nice, pack a lunch and enjoy a picnic lunch in the garden! \$15. (\$12 BBG Members).

Raffle Drawing

May 15

The Berry Botanic Garden, in partnership with Willamette International Tours is now offering an exciting chance to win a trip, valued at \$11,000, for a group of four to visit English Gardens. A ticket for this custom tour costs \$50. The lucky winner of this prize drawing, plus three com-

panions, will experience delightful English country gardens personally escorted by top "blue badge" certified tour guide, Robina Brown. No more than 1,000 tickets will be sold. The drawing will be conducted at the Lake Oswego Farmer's Market on May 15. You need not be present to win.

Nature Journaling

with Pen and Watercolor

May 18-June 15, Tuesdays, 10-1pm

Naturalist and watercolorist Jude Siegel will share simple journaling techniques in her relaxed way, encouraging you to explore drawing and watercolor skills and increase awareness of nature. No art experience is necessary. Prepare to be outside as well as inside, weather permitting. A supply list is mailed to registrants. \$60 (\$48 BBG Members).

Wondrous Waterfall Hike

May 20, Thursday, 9 am - 4 pm

Join us on a gentle hike for a look at four (or six, depending on how you count!) beautiful Columbia Gorge waterfalls. This hike is about 4.5 miles and 500 feet elevation. \$10 (\$8 BBG Members).

Big Trees of the West Cascades Tour

June 6, Sunday

If you think all the big ones were cut long ago, you're in for a good surprise. We'll spend the day visiting some of the largest and oldest trees that grow in our area, including Douglas-firs, western redcedars, sugar pines, and incense cedars. Hiking of 2-3 miles (some of it off-trail) with maximum elevation gain of 500 feet. For more information and to register, call Whitey Lueck at 541-684-8716 (Eugene).

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Spring Wildflowers Walk May 1, Saturday, 10-noon

Immerse yourself in the splendor of the Arboretum's native spring wildflowers with Nick Sky. Meet at the Visitor Center, rain or shine. Suggested donation \$3 (MPA members free).

Wildflower Drawing in Color and Mixed Media May 2, Sunday, 1-4 pm

Kris Kirkeby expands on her other classes by offering an experience in mixed media techniques. Learn to sketch flowers in the field and along the trails. Supply list will be provided upon registration. Fee: \$20/\$15 (members/nonmembers).

Spring Field Botany Workshop May 8, Saturday, 9:30 am - 2:30 pm

This one-day intensive workshop will hone your keying and identification skills and improve your knowledge of our local flora. Use the newest edition of the *Handbook of Northwestern Plants* by Gilkey & Dennis. Led by Dr. Rhoda Love, retired LCC botany professor and, now working with The Oregon Flora Project. Co-sponsored by the Native Plant Society of Oregon. Fee: \$25/\$30 (Discount also for NPSO members).

Wildflower Festival & Plant Sale Honoring the Founders: Celebrating 25 Years of Wildflower Displays May 16, Sunday, 10 am - 4 pm

Don't miss our annual celebration of Oregon's wildflowers! Enjoy educational exhibits and a display of hundreds of wildflowers. Other activities include a huge plant sale, children's activities, music, guided walks, and food and craft vendors. Suggested donation: \$5 per person or \$10 per family. Members free! Co-sponsored by The Native Plant Society of Oregon.

Celebrating 25 Years of Wildflower Displays

Mount Pisgah Arboretum Wildflower Festival, May 14-16,

"Honoring the Founders: Celebrating 25 years of Wildflower Displays"

Guiding people to make deep and meaningful connections with the natural world

On May 18, 1980 Mount St. Helens exploded and the first Wildflower Festival at Mt Pisgah Arboretum opened. In 2004 there will be a grand celebration honoring the founders of this event at a special dinner and dedication. Freeman Rowe, Rhoda Love and David Wagner will be the guests of honor.

May 14, Friday Herbarium Dedication and Dinner Lane Community College's Conference Center, Eugene

4-5:30 pm: Social Hour and Tour the new LCC Herbarium, Science & Math building #16, Room 117.

6 pm: Dinner LCC Conference & Events Center, Bldg. #19/104

For dinner reservations please send check made out to Lane Community College, Celebration c/o Gail Baker, Science Division, Lane Community College, 4000 E. 30th Ave., Eugene OR 97405. Make sure to indicate your dinner preference.

May 15, Saturday Festival Set-Up, 8 am - 3 pm Mount Pisgah Arboretum Quonset Hut area

Zigzag Ranger District Wildflower Hike

For further information phone 503-622-3191, ext. 0.

Salmon River Trail

May 7, May 21, Fridays, 10 am - 1 pm

Join Mt. Hood National Forest botanist, Carol Horvath, to view a colorful array of spring wildflowers as you slowly hike about 1 mile of the Salmon River Trail #742. Learn the common plants, trees, wildlife, and fish of the area. Meet at the Zigzag Ranger District at 70220 E. Hwy 26 at 10 am, then carpool 7 miles to the trail-head. A Northwest Forest Pass is required to park and may be purchased at the Ranger District office. Bring water, lunch, rain gear, warm clothing, and supportive shoes or boots for walking on the uneven terrain of a forest trail.



May 16, Sunday: THE FESTIVAL DAY! Mount Pisgah Arboretum, Eugene

10 am-4 pm: The festival opens to the public at 10 am.

For more information visit <http://teach.lanecc.edu/bakerg> or contact Gail Baker, Science Division, LCC, bakerg@lanecc.edu or 541-463-5085.

The Mountains of NE Oregon, Pt. 2

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population of *E. obcordatum* includes many soft pink and white-flowered individuals. The trail crosses a vast east-facing talus slope dotted with small islands of pines and *Penstemon fruticosus*, *Potentilla brevifolia*, *Claytonia megarhiza* var. *bellidifolia*, and *Collomia debilis* var. *debilis*. At an 8300' pass is a stand of whitebark pine (*Pinus albicaulis*) with a view of Prairie City a mile below. Many alpinism can be found here on rocky pavement and north-facing ledges: *Draba densifolia*, *Erigeron compositus*, *Rhodiola rosea*, *Sedum lanceolatum* var. *rupicola*, and *Penstemon procerus* var. *formosus*.

A second option from the end of Road 1640 is the trail to two high cirque lakes, High Lake (an easy 1.3 miles) and Slide Lake (3 miles). It is just possible for a strong hiker to link these trails to complete a 17-mile circuit of Strawberry Mountain, Strawberry Lake, Slide Lake, and High Lake in one day.

Baldy Mountain is a north-facing peridotite bald visible from John Day on the northern boundary of Strawberry Mountain Wilderness. From John Day, drive east on US 26 for 6 miles, then go right onto Pine Creek Road (which becomes Road 5401). Stay on the Forest Service road and follow signs to Chambers Mine, avoiding the maze of private roads and driveways. Watch for the sumptuous *Calochortus macrocarpus* by the road. At an intersection 8 miles from US 26, there is a parking area and horse corral. The road to the left, leading to Baldy Mountain, may be closed here. Walk or drive this road another mile to the wilderness boundary, a few hundred yards past the mine. Here the road enters a huge sloping meadow, full of color in late June and early July: *Frasera albicaulis*, *Lupinus lepidus* var. *aridus*, *Balsamorhiza serrata*, *Cymopterus terebinthus*, *C. nivalis*, *Zigadenus paniculatus*, and *Allium tolmiei* are abundant. A few hundred yards above to the right are outcrops with the ferns *Aspidotis densa* and *Polystichum lemmonii*, and flowering *Penstemon humilis*, *P. confertus*, *Cryptantha*

nubigena, and other saxatile species.

Wallowa Mountains

The Wallowas tantalize and frustrate day-tripping plant-lovers. There are many alpine summits and meadows in the Eagle Cap Wilderness, but the trails to them are generally long and start at low elevations, and they are usually liberally coated with horse ma-

nure. The classic locality for alpinism, Ice Lake and the Matterhorn, is nicely described by Marvin Black and Dennis Thompson (1985), but this and other sites in the back country of the Eagle Cap Wilderness require multi-day backpack trips. I have reached Ice Lake, the summit of Eagle Cap (9600'), and other Wallowa peaks in single-day trips, but I'm not recom-

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each *Carex* taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

The Mountains of NE Oregon, Pt. 2

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mending it for everyone.

Despite the presence of awe-inspiring granite peaks, the best plant-hunting in the Wallowas is on basalt and limestone. The most accessible alpine area in the Wallowas is Mount Howard, at the north end of a ridge of uplifted Columbia River basalt. At the 8200' upper terminal of the Mount Howard Gondola, 6 miles east of the town of Joseph, the visitor steps out into timberline krummholz (wind-dwarfed trees) and scree full of phlox, lupine, and many other cushion plants. The terminal area is heavily used, and visitors should not stray from the nature trails. Instead, follow the ridgeline trail south toward East Peak (9450'), taking care to return before the gondola closes for the day. Two endemics, *Lomatium greenmanii* and *Penstemon spatulatus*, are abundant on this ridge, and bunnies abound on its windswept crest. On the first rise south of Mount Howard there is a north-facing exposure of the underlying granite; this is covered in *Dryas octopetala*, *Cassiope mertensiana*, and many other alpine plants. The highest point on the ridge is Aneroid Mountain (9700'), with still more alpine plants, including *Eritrichium nanum*. I have traversed the entire ridge on several occasions, returning to Wallowa Lake via Aneroid Lake and the East Wallowa River trail. At 14 miles, half of it cross-country, this route is only for the strongest hikers, but it offers an extraordinary range of plants. In 2003, the gondola fare was \$10; the gondola operates year-round, with the best plant viewing in July and August.

A 3-mile hike from the Hurricane Creek trailhead, five miles southwest of Joseph, leads to a limestone gorge where Slickrock Creek spills down from the Hurricane Divide. After a stream crossing that may require care in early summer, the trail passes an area of avalanche debris and small stream channels with many species of shrubs and woodlanders like *Disporum trachycarpum*, then emerges into dry meadows with eriogonums, *Clematis hirsutissima*, and *Frasera speciosa*. Moist

thickets at the edge of Hurricane Creek harbor wetland plants like *Swertia perennis* and *Parnassia fimbriata*. About 2 miles in, denser coniferous forest is home to *Clematis columbiana*, *Cypripedium montanum*, *Moneses uniflora*, and several species of grape ferns (*Botrychium*). At Slickrock Creek there is a natural rock garden with an amazing mixture of alpine and lowland plants. A limy sand flat is ablaze with penstemons, anemones, *Ipomopsis*, *Asclepias speciosa*, and *Erigeron speciosus*. In the spray of waterfalls are alpine plants including *Hedysarum boreale*, *Lloydia serotina*, and *Pinguicula vulgaris*, and a dwarf form of *Aquilegia flavescens*. Scree and water-polished limestone faces host a dwarf *Campanula rotundifolia* and the Wallowa endemics *Erigeron chrysopsidius* var. *brevifolius*, *Cryptantha nubigena*, and *Eriogonum chrysops*. From early July through mid-September, this trail is one of the most floriferous places in Oregon.

Another scenic and botanically rich limestone area is Marble Point (8600') on the Frances Lake trail, near the end of the Lostine River road. Unfortunately, it requires a 7-mile climb, gaining 3500 feet in elevation, to reach scree full of *Eritrichium* and outcrops with *Saxifraga oppositifolia* and *Dryas drummondii*. Even worse, the spectacular view of Frances Lake has tempted me into a 20-mile day on more than one occasion. This mile-long valley ringed in 9000' peaks is not often visited and certainly merits a multi-day hike.

Trails on the east side of the Eagle Cap Wilderness are much less visited than the lake basin trails on the north side. The Bonny Lakes trail from the Tenderfoot trailhead at the end of Road 100 (off Road 93, about 40 miles southeast of Joseph) offers a quiet 8-mile round trip through burnt larch forest, sagebrush, meadows, and outcrops, ending at lush meadows and dry limestone pavement at the lakes (7800'). A sense of the range of habitats along this trail can be gathered by reciting just a few plants seen: *Lupinus polyphyllus* var. *burkei*, *Paeonia brownii*, *Penstemon globosus*, *Mimulus lewisii*, *Dodecatheon alpina*, *Phoenicautis cheiranthoides*, *Gilia congesta*. Strong

hikers will want to continue one or two miles past the lakes to the alpine meadows around Dollar Lake (8420'); the hardest may continue from there to Tenderfoot Pass and return on the North Fork Imnaha River trail, for a 15-mile day hike.

Further reading

Bishop, Ellen Morris. 2003. *In Search of Ancient Oregon: A Geological and Natural History*. Portland: Timber Press. An up-to-date and beautifully illustrated popular account of historical geology of Oregon and the Klamath Province of California. The plant hunter will be especially interested in descriptions of many local outcrops of serpentine, limestone, and other parent materials in the Blue Mountains.

Black, Marvin, and Dennis Thompson. 1985. "To Ice Lake and the Matterhorn." *Bulletin of the American Rock Garden Society* 43:1–10. Reprinted in *Rock Garden Plants of North America* (NARGS/Timber Press, 1996). An excellent description of a classic locality for alpine plants.

Hitchcock, C. Leo, and Arthur Cronquist. 1973. *Flora of the Pacific Northwest*. Seattle: University of Washington Press. This remains the standard reference for the flora of northeastern Oregon.

Langston, Nancy. 1995. *Forest Dreams, Forest Nightmares: The Paradox of Old Growth in the Inland West*. Seattle: University of Washington Press. An environmental and cultural history of the forests and rangelands of the Blue Mountains from Oregon Trail time to the present.

Mason, Georgia. 1975. *Guide to the Plants of the Wallowa Mountains of Northeastern Oregon*. Eugene, OR: University of Oregon Museum of Natural History. Reprinted 2001. More portable than the Hitchcock flora, with very simple keys; most useful for its description of the habitat and elevation range of Wallowa plants.

Sullivan, William. 2002. *Discovering Oregon's Wild Areas*. 3rd ed. Seattle: Mountaineers Books. The indispensable guide for hiking in the state, this book covers most of the trails of interest to plant hunters.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

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Please make checks for dues and contributions payable to:
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Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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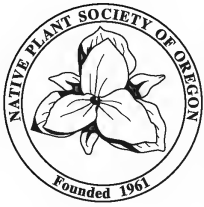
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“Hail, Hail Cladonia!”: Emerald Chapter Sponsors Lichen Hike

by Nick Otting, Emerald Chapter

Fourteen NPSO members attended an Emerald Chapter lichen identification hike on February 28. The cool breezy weather was halfway between winter and summer, with low fluffy clouds alternating with blue sky. Led by lichenologist Dr. Daphne Stone, we studied lichens in meadows, oak woodlands, and conifer forests on Mt. Pisgah, southeast of Eugene. We discussed lichen biology, learning that lichens grow during the rainy season when vascular plants are leafless. The diminutive lichens showed lovely forms, colors, and textures under the hand lens. Lichen species diversity was extraordinary, supporting Dr. Stone’s statement that we were in the lichen capitol of the world. Among the species observed were *Cetraria orbata*, *Peltigera collina*, *Ramalina farinacea*, *Xanthoria polycarpa*, and *Cladonia fimbriata*.

Hiker diversity was also high. Ages ranged from 26 to 86. In attendance were botanists, lichenologists, retired office workers, teachers, and one Portlander. Laughter and smiles were plentiful. Now, whenever I see a *Cladonia* lichen the Marx Brothers anthem “Hail, Hail Fredonia!” will ring in my head as “Hail, Hail Cladonia!”

(The NPSO strategic planning committee commissioned this article. The committee is encouraging members to use the *Bulletin* to communicate NPSO activities and accomplishments.)





Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 6

JUNE 2004

Highlights of the NPSO State Board Meeting, April 24 in Roseburg

by Kelli Van Norman, Secretary

Thanks to the Umpqua Valley Chapter for graciously hosting the Board meeting on the same weekend as the Glide Wildflower Show. A busy, but worthwhile weekend!

The April Board meeting is when we review and make decisions on funding field research grant proposals. The objectives of the program are to stimulate basic research on Oregon native plants and promote native plant conservation. We received far more grant applications this year than ever before. Our grant budget is slightly bigger this year, but we did not have near enough funds for everything. Several chapter presidents came to the meeting with a

decision from their chapters to fund certain proposals. We asked other chapters if they could contribute to grant proposals in their geographic area. We look forward to hearing more in the final reports.

Steve Gisler, formerly an employee of Oregon Department of Agriculture and now working for the Institute of Applied Ecology, reported on the Institute's work over the past year and plans for the coming field season. NPSO provided \$2000 to the Institute in 2003 for three summer interns. We regularly enjoy reading of their field seasons here in the *Bulletin*. By the looks of the 2004 project list, we'll have more fascinating reports.

Linda Hardison from Friends of the Oregon Flora Project reported on the total amounts that have been donated to the Oregon Flora Project through the Friends group over the last seven years. It is truly impressive, especially with the generous challenge donations! The Oregon Flora Project has been quite near to the hearts of many NPSO members. Thanks to the many recent donations that have been made in memory of Bonnie Hall. The great news from the Oregon Flora Project is that they are preparing for the full public release of the online atlas. Many of us have already been testing the online atlas and found it to be very useful.

Darlene Southworth, from the Siskiyou Chapter, has volunteered as our new Westside Conservation Coordinator. Darlene reported to the Board

that she has been contacting the west-side chapters to get acquainted with the people and the issues. She has also written on behalf of NPSO to Senator Wyden in support of wilderness protection for Oregon lands, particularly portions of the Cascade-Siskiyou National Monument.

Rhoda Love is continuing to spearhead the effort to list *Sidalcea hendersonii* with both the state and federal agencies. She is gearing up for the new field season and hopes to survey in Clatsop and Tillamook Counties along with organizing field trips and a possible purchase of *Sidalcea hendersonii* habitat. Washington state is also doing field surveys this summer for the species, which will tell us more about its status to the north and strengthen our request for federal listing.

Among Chapter news, we were all excited to hear that the Willamette Valley Chapter is back running strong with a full slate of officers, field trips, and restoration work parties. The Corvallis Chapter has had a successful series of botanical workshops this spring and a wildflower photography contest. The Blue Mountain and William Cusick Chapters are busy planning for the Annual Meeting at the end of June, and the Umpqua Valley Chapter has already begun planning for the 2005 Annual Meeting.

The next Board of Directors meeting is scheduled for the Sunday following the Annual Meeting in LaGrande on June 27th.

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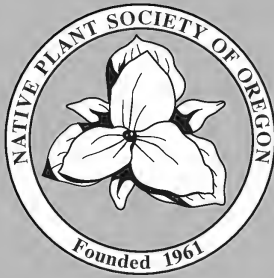
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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers
and Committee Chairs listed on the
inside of the back page.

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Opinions expressed in this publica-
tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

Editor's Note

Submission Information for Summer Issues

The due date for submissions for the July *Bulletin* will be June 10th as usual. The following issue of the *Bulletin*, however, will cover both August and September. The submission date will be pushed back two weeks to **July 24**. You should receive this issue the second week of August. The next issue will return to the usual schedule with a submission date of September 10th and should arrive by October 1st. If you have any notices about events happening during the first couple of weeks of August please send them in time for July *Bulletin*.

Please send all submissions electronically and put in the same order as they are in the *Bulletin*. **Put NPSO and the Chapter or organization name in the subject.** This helps keep them from getting lost with the spam. Please include the copy in the body of the e-mail as attachments are sometimes difficult to read. Thanks!

Conservation Coordinator Needed

We still need a Conservation Coordinator/Chair for the Eastside. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in the position, please contact the president at president@NPSOregon.org.

Help Create Aware- ness of Native Plants

The governor of Washington state has newly established a "Native Plant Awareness Week" to promote appreciation and enjoyment of native plants. This year, it was May 24-30. Wouldn't it be appropriate for NPSO to spearhead a similar event for 2005? The Strategic Planning Committee is looking for someone to implement this process for the state of Oregon. Please contact Linda Hardison (hardisol@science.orst.edu; 541-745-5770) if you would like to work on this issue—we'll help you get started!



A black and white photo cannot do justice to the intensely bright pink color of Silene hookeri. It is common in the serpentine areas along Little River southeast of Glide where this was taken.

TANYA HARVEY

State

June 25–27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. For information on lodging, hikes and registration see the March issue of the *Bulletin* or check out the NPSO website.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

For information on the Cheahmill Chapter call Marilyn Karbonski at 503-852-7230.

Corvallis

July 10, Saturday, 8:00am

Field Trip: Iron Mountain. Forest and meadow wildflowers will be the main attractions at this spectacular, botanically-rich area west of Santiam Pass. 4–5 miles, moderately difficult all-day hike. Meet at 8:00 am OSU parking lot, SW of The Beanery, 26th and Monroe, Corvallis. Call Dan Luoma, 541-752-8860, for more information.

Emerald

June 5, Saturday, 9:00 am

Field Trip: Sawtooth Rock and Mt. June. We'll visit the large meadow by Sawtooth Rock to see Penstemons, Eriogonums, Lupines and much more. If there's time we'll also head up Mt. June for more early flowers and a fabulous view. 4–5 miles round trip with some steep stretches. Meet 9:00 am at South Eugene High School or 9:30 am at the Dexter Lake Club parking lot just off Hwy 58 in Dexter. To register or for more info contact Tanya Harvey at 541-937-1401 or Wild.Iris@att.net.

July 10, Saturday, 8:00 am

Field Trip: Conifer Identification Walk. Rob Weiss will lead a trip to Smith Ridge near the McKenzie River headwaters. Smith Ridge may have more conifer species in one small area than anywhere else in Oregon—rivaling the Klamath Mountains of California. Among 17 species are Alaska yellowcedar, silver fir, dwarf juniper and Engelmann spruce. We will walk 2 to 3 miles. Bring hand lens and lunch. Meet 8:00 am at South Eugene High School or 9:15 am at Harbick's Store 7 miles east of Blue River on Highway 126. For more info call Rob at 541-563-3947 or Dave at 541-345-5531.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

July 11, Sunday, 8:00 am

Field Trip: Botany, Birds, and Butterflies of Bohemia Mountain. Join Bruce Newhouse for a long natural history day up in Bohemia country, to view wildflowers, butterflies and birds in the most diverse area of Lane County—and the views are spectacular, too! Some of the driving is over gravel road. Bring a hand lens, binoculars, field guides, sunscreen, sunglasses, lunch and water. Meet at South Eugene High School parking lot at 8:00 am to carpool. We'll return by 6:00 or 7:00 pm, although some may opt to return earlier. www.naba.org/chapters/nabaes/hotspots.html has a list of butterflies to be expected in the Bohemia area. For more info call Bruce at 541-343-2364.

July 18, Sunday, 8:00 am

Field Trip: Blair Lake Trail high above Oakridge. Barbro McCree will take us up the Blair Lake Trail to view summer wildflower displays near 5000' elevation. Meet 8:00 am at South Eugene High School or 9:00 am at the Middle Fork Ranger Station. Return to Eugene by 6:30 pm. Questions, call Barbro at 541-782-3919 or e-mail at k_mccree@efn.org. Visit Barbro's web page at www.efn.org/~k_mccree/Blair-LkTrail.html.

July 24, Saturday, 8:00 am

Field Trip: Calapooya Divide. Visit the beautiful Calapooya Divide separating the Willamette and Umpqua River watersheds on this easy hike co-sponsored by the Native Plant Society and the Willamette National Forest. The main goal will be to relocate rare species at Bristow Prairie. Interesting species in the wet meadowland include *Sidalcea cusickii* and *Veratrum insolitum* and other species common in southern Oregon. Meet to carpool 8:00 am at South Eugene High School or 9:00 am at the Middle Fork Ranger Station west of Oakridge. Bring a hat, lunch, water and comfortable walking shoes. For more information contact Jenny Lippert at 541-225-6440.

High Desert

June 12, Saturday, 8:30 am

Field Trip: Crooked River National Grasslands Restoration Project. The National Grasslands is planning on restoring 50,000 acres of public land that has lost much of its natural character and native plant species. This easy hike will look at several areas planned for restoration and examine in detail the species and methods to be used. A great opportunity to learn more about the natural history of Central Oregon from the experts in ecology that will be on the trip. We'll depart from the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon. Call Stu Garrett, trip leader, for more information: 541-389-6981 eves.

July 3, Saturday, 8:30 am

Field Trip: Iron Mountain/Cone Peak. We will walk 3 to 4 miles along the Cone Peak/Iron Mountain trail through conifer forests up to mountain meadows overlooking Tombstone Pass. This trip will be a joint affair with Audubon Society and will entail both birding and plant ogling. Be prepared for a moderate hike. Bring good boots, lunch, sunscreen, water and a good attitude. This is a beautiful place. Call trip leader Reid Schuller (541-317-1901) to reserve a spot or for more information. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon.

July 10, Saturday, 9:00 am

Field Trip: Wildfires and Wildflowers. Explore the fire landscape of the Metolius Basin and unique wildflower habitats with US Forest Service ecologist, Maret Pajutee. We'll visit the 2003 "B & B Complex" wildfire area and discuss fire ecology and restoration issues. Meet at Sisters Ranger District Office in Sisters (west end of town) at 9:00 am. Be prepared for off-trail hiking. Please wear long pants and good boots. Call trip leader Maret Pajutee for more information 541-549-7727 (days).

July 17, Saturday, 8:30 am

Field Trip: Restoration of Local Weedy Natural Areas. David Bowers has been restoring areas of knapweed, toadflax, and cheat grass invasion locally. This easy hike will look at several areas in Bend and Sunriver that he has restored over the last 4 years. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon. Call Stu Garrett, trip leader, for more information: 541-389-6981 eves.

July 24, Saturday, 8:30 am

Field Trip: Canyon Creek Meadows. Flowing off the north face of Three Fingers Jack, this montane/subalpine forest/meadow mosaic is a favorite wilderness destination for hikers and wildflower enthusiasts alike. Join us for this 7-mile (round-trip) easy-to-moderate hike in the Mt. Jefferson Wilderness. Group size is limited to 12 people and priority will be given to NPSO members. Pre-registration is required! Call trip leader Reid Schuller for sign-up: 541-317-0199 (days), 541-317-1901 (evenings) for more information. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon.

August 14, Saturday, 8:30 am

Field Trip: Broken Top Volcano. This is our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the High Cascades west of Bend. This is a six-mile round-trip, moderate-to-strenuous hike with a 1700 foot elevation gain. We will do mostly off-trail hiking through the Three Sisters Wilderness, so hiker numbers are limited to 12. Meet at Pilot Butte Lot at 8:30 am. If we can't go to Broken Top we will hike Black Crater. Pre-registration is required! Call trip leader Stu Garrett for sign-up: eves 389-6981. The sooner the better!!

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

June 2, Wednesday, 7:30 pm

Meeting: Flowers Give Way to Fruits and Seeds—Responsible Collection for your Wildflower Garden. Michael Igo. The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

July 7, Wednesday, 6:30 pm

Potluck Picnic: at Afton Foote's Home, 616 E. Scenic Dr., The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjjs@oregoncoast.com.

Portland

June 8, Tuesday, 7:00 pm

Meeting: Montane and Alpine Plants of NE Oregon. Join longtime NPSO Corvallis chapter member Loren Russell for a whirlwind botanical tour through high elevation sites in NE Oregon! Loren is the author of "The Mountains of Northeastern Oregon" from the April and May issues of the *Bulletin*, and this slide show will also serve as a preview of the upcoming NPSO Annual Meeting in La Grande. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. For more information contact Leslie Rossmell at 503-335-3987 or lrossmell@hotmail.com.

June 20, Sunday

Field Trip: Bald Mountain on Mt. Hood, starting at Lolo Pass and going up Pacific Crest Trail: about 6 miles total, 800 feet elevation gain. A beautiful hike through rhododendron woods to a spectacular alpine meadows viewpoint with paintbrush, wallflower, lupine, larkspur, cat's ear lily, penstemons (*rupicola*, *subseratus*). Possibly blooming: candystick (*Allotropa virgata*) and Washington lily (*Lilium washingtonianum*). Call Beth, 503-226-7919 for meeting time and place.

July Meetings Discontinued

In December 2003 the Portland chapter approved discontinuing meetings in July and August. Attendance is low and field trips are keeping members active.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

June 5, Saturday, 9:00 am

Field Trip: Return to Star Flat (Illinois Valley). The rare serpentine fen plants should be blooming by now. We may see real rarities such as Waldo gentian, Serpentine sedge, Howell's mariposa lily, and Large-flowered rush lily, along with the uncommon California lady's slipper, as well as Vollmer's lily, bog orchids, serpentine rush lilies, and other beauties. Easy 2-3 mile hike. Meet 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 mi south of Grants Pass on Hwy 199. Leader: Don Heinze 541-955-7247.

June 12, Saturday, 9:00 am

Field Trip: Dunlop Meadow and Dunlop Trail to South Fork Little Butte Creek (Western Cascades). Meadow and wetland plant communities, old homestead, rich conifer forest. Primitive trail with a little bit of cross-country; 3.5-mile hike, with 500 ft elevation change. Access is via gravel roads suitable for passenger cars. Meet 9:00 am in Ashland BiMart parking lot next to fence along Tolman Creek Rd. (Intersection of Ashland St and Tolman Creek Rd, Ashland, near I-5 exit 14). Leader: Wayne Rolle, Botanist, Rogue River NF 541-482-0093.

June 19, Saturday, 9:00 am

Field Trip: Rhyolite Highway. Walk the Rhyolite Highway west of Pilot Rock. Lunch about noon overlooking the Colestin Valley. Home by 3:00 or 4:00 pm. What we see will depend on the snow year. Easy two-mile hike, partly on the Pacific Crest Trail, partly on an old track. Meet 9:00 am in Ashland BiMart parking lot next to fence along Tolman Creek Rd. (Intersection of Ashland St. and Tolman Creek Rd,

Ashland, near I-5 exit 14). Leader: Frank Lang, 541-482-5235.

July 10, Saturday, 9:00 am

Field Trip: Young's Valley (south of Cave Junction). Moderate 5-mile hike to a beautiful high elevation valley just inside the Siskiyou Wilderness with spectacular views of Preston Peak, El Capitan and surrounding mountains. Young's Valley is the headwaters of Clear Creek, a major tributary to the Klamath River. The drive to the trailhead passes through a wide variety of plant communities typical of the western Siskiyou, including diverse conifer forests, serpentine ridges and fens, a stop at Sanger Lake, and great views of these rugged mountains. A high clearance vehicle is recommended for a short part of the route to the trailhead. Expect to be back at the Visitor Center about 5:00 pm. Meet 9:00 am at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46, heading toward Oregon Caves NM. Leader: Karen McCullough, Botanist, Siskiyou NF 541-592-4032.

Umpqua Valley

June 10, Thursday, 7:00 pm

Meeting: King Mountain Flora. 7:00 pm at the Mercy Medical Center Community Education Building, 2459 Stewart Parkway, Roseburg. For information contact Ted Schattenkirk shadowchurch@tvweb.net, 541-679-6953.

June 12, Saturday 8:00 am

Field Trip: King Mountain in southern Douglas County to view medium high elevation flora on serpentine. Assemble for caravan or carpool at BLM parking lot 777 Garden Valley Blvd, Roseburg prior to 8:00 am departure. Or meet Tri City McDonalds at 8:30 am exit 103 I-5. For the latest contact Ted Schattenkirk at shadowchurch@tvweb.net or 541-679-6953.

July 10, Saturday 11:00 am

Potluck: At Katherine Hausotter's place on 4925 North Myrtle Road, Myrtle Creek. When going out North

Myrtle, read addresses from mailboxes. View *Lilium occidentale*. For the latest contact Ron Hatt at hatt@citlink.net or 541-863-7024.

Willamette Valley

June 17, Thursday, 7:00 pm

Meeting: The Delbert Hunter Arboretum and Botanical Garden in Dallas, Oregon. This is a 3.5-acre garden planted only with native Oregon plants. For more information, call John Savage at 503-399-8615.

June 19, Saturday, 9:00 am

Field Trip: Kingston Prairie Preserve. We will view the wildflowers at the 128-acre Nature Conservancy Preserve southeast of Stayton. The area has three rare and endangered species. Return around 3:30 pm. To register or for more info, call John Savage, 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.



TANNA HARVEY

Join the Siskiyou chapter for a trip to Star Flat (see this page) and a chance to see the lovely California lady's slipper (Cypripedium californicum) in the Illinois Valley.

Roemer's Fescue Common Garden Study Field Trip

June 26th, Saturday, 10am-Noon

For several years upland prairie restoration in Oregon has been hindered by the lack of Roemer's fescue (*Festuca roemerii*) seed. This beautiful bunchgrass is an important component of upland prairie ecosystems and once grew in large interconnected populations from BC south to Douglas County Oregon.

Today populations are small and fragmented. In an effort to provide ecologically-appropriate initial seed to local growers for commercial production, the Native Seed Network (NSN), BLM, and Corvallis Plant Materials Center (PMC) have installed a common garden study. The study is designed to measure genetic variability of Roemer's fescue across its geographic range, and will provide information to help define seed transfer zones.

Join us for a tour, and compare the field plantings for yourself. Marvel at population diversity and at the vigor of these plants under cultivation. The PMC will also describe their role in providing native plant materials for restoration, including endangered plant materials such as Golden paintbrush. For questions contact: Native Seed Network 541-752-9065. Tour Location: From Corvallis, take Hwy 20 north toward Albany. Turn left on Granger. The office of the NRCS Plant Materials Center/OSU Hyslop Farm is located near intersection of Hwy 20 and Granger at 3415 NE Granger Ave.

Iron Mountain Wildflower Hike and Adopt-A-Wilderness Workshop

June (25) 26-27

Kicking off Oregon Natural Resources Council's Summer 2004 Wilderness outing events ONRC is hosting both Iron Mt. wildflower hikes (led by Wendell Wood), and a separate Adopt-a-Wilderness workshop (led by Chandra LeGue), in the Old Cascades proposed Wilderness Area in the Willamette National Forest east of Sweet Home. Both events will meet at Sevenmile (group) Campground, .25 mile east of mile post 59 off South Santiam Hwy 20. Both the Saturday June 26 workshop, and the separate Saturday June 26 wildflower identification hike will begin at 9:00 am from the same location. A second, and mostly downhill wildflower hike, will also leave Sunday from Sevenmile Camp at 9:00 am and then drive to the trailhead. A plant list, with common and scientific names of everything to be seen will be provided. Bring water to camp on either Friday or Saturday night. For registration and directions contact Chandra LeGue cl@onrc.org 541-344-0675. More details at: www.oregonwild.org/im-wflower04.html. For more information on ONRC's other events and July 17-25 Wilderness Week hikes see www.onrc.org.

Celebrate the Cascade-Siskiyou National Monument's 4th Birthday

**"What's It Mean To Love a Place?"
June 6, Sunday, 3-6 pm**

Kathleen Dean Moore, author of *Riverwalking*, *Holdfast*, and *The Pine Island Paradox* will be the featured speaker at the Soda Mountain Wilderness Council's 4th Birthday Party For The Cascade-Siskiyou National Monument at the Green Springs Inn, 17.5 miles east of Ashland on Highway 66. Dave Willis will provide an update on Monument goings on and the Soda Mountain Wilderness campaign: "Why Wilderness?" Pepper Trail will say a few brief words about that, too. BBQ picnic, \$14/person. Music by "The Jazz Pranksters." Reservations required via smwc_reg@hotmail.com or call 541-951-7467.

Friends of the Oregon Flora Project



www.oregonflora.org

Support through the Friends of the Oregon Flora Project helps us to reach our goal of producing a new set of references on the plants of Oregon. We greatly appreciate the gifts of time, skills, and money, and encourage all NPSO members to contribute to the effort of producing a new flora that is so needed.

Please make checks payable to NPSO, attn. Friends of the OFP, and mail to:
Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402.

Zigzag Ranger District Wildflower Hikes

For further information phone
503-622-3191, ext. 0.

Little Crater Meadow Trail

June 11 & 18, Fridays, 10 am – 2 pm

Join Mt. Hood National Forest botanists to view the spring display of wildflowers at Little Crater Meadow. Learn about the flora and fauna that inhabit the meadow, as well as the mysterious Little Crater Lake itself. Meet at the Zigzag Ranger District at 70220 E. Hwy 26 at 10 am, then carpool to the trailhead at Little Crater Campground. Bring water, lunch, rain gear, and supportive shoes or boots for walking on the uneven terrain of a forest trail.

Trillium Lake Trail

June 25, Friday, 10 am – 2 pm

Join Mt. Hood National Forest botanist, Carol Horvath, to view the early summer display of wildflowers as you walk the 1-mile Trillium Lake trail. Learn about the flora and fauna that inhabit the lake area. Meet at the Zigzag Ranger District at 70220 E. Hwy 26 at 10 am, then carpool to Trillium Lake. Bring water, lunch, rain gear, warm clothing, and supportive shoes or boots for walking on the trail.

1st Annual Naturescaping Garden Tour Creating Wildlife Friendly Backyard Habitats

June 26, Saturday, 10 – 4 pm

Learn how to incorporate wildlife habitat features into a landscape through plant selection and design with presenters Tal Blankenship, city of Grants Pass horticulturist, and Kerry Ken-Cairn, licensed landscape architect.

Presentations at North Mountain Park are scheduled concurrently from 10:00 – 11:00 am. The tour will feature seven wildlife-friendly gardens in the Ashland, Talent and Medford area. Highlights include established gardens, newly landscaped native plant gardens, riparian zone restoration, a biodynamic garden and a rural woodland.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Propagation Basics

June 12, Saturday, 9 am – 3 pm

Plant addict? Tired of buying plants? You can learn how to grow your own garden. Theory and hands on practice of techniques (seed, cutting, division) provide a solid foundation in plant propagation. Learn how to prepare plant materials, obtain supplies, manage pests and more! \$25 (\$20 BBG Members).

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Elder Walk

June 23, Wednesday, 1 – 3 pm

Knowledgeable nature guides will lead you on a spring walk along the Arboretum's beautiful trails. Learn about the seasonal wildflowers and the natural world all around you. Meet other nature-loving seniors, and enjoy refreshments when you return. Suggested donation: \$4.

Plant Portraits

June 19, Saturday, 9 am – 12 pm

June 25, Friday, 6:30 – 8 pm

Jessica Sall is going to share with us her slides, knowledge and skill at photographing plants. Everyone from the digitally dexterous to the "point-and-shooters" can benefit from this class, which focuses on issues of light, angle and awareness of details. After spending a Saturday morning collecting images, we'll view the results in a relaxed evening session the following Friday. Class fee includes one roll of slide film for the film users and processing costs. \$25 (\$20 BBG Members).

Grassy Knoll Hike

June 24, Thursday, 8:30am - 4:30pm

Our past director, Linda McMahan, calls the 2,070 acre Grassy Knoll Natural Area "a little paradise on Earth." We'll see a stunning diversity of plants on this gentle hike. The terrain ranges from a grassy meadow to rocky outcrops to hemlock forest. The elevation rises gradually about 1200 ft, and the trail is 4.4 miles round trip. Plan for a day hike. Meeting location will be mailed to participants. Difficulty: Easy-Moderate. \$10 (\$8 BBG Members).

Healthy Soils, Healthy People

June 26, Saturday, 10 am – 12 pm

Knowing about and tending to the health of your garden soil is critical for maintaining healthy plants. If you want an abundance of healthful food of flowers from your garden it is beneficial to bring your soil into balance. You'll learn the differences between balanced and unbalanced soils and how to bring unbalanced soils into balance and maintain their health. Will Newman II, a gardener since 1954, is a journeyman carpenter, organic farmer, Master Gardener, Master Food Preserver and Master Recycler. He is Research and Education Director for Oregon Sustainable Agriculture Land Trust. \$15 (\$12 BBG Members).

NEW MEMBERS

12/11/03 - 4/7/04

Blue Mountain

Karen Kronner

Cheahmill

Brandon R. Hockema
Jack F. Murphy

Corvallis

Roger Adams
Isaac Daniel
Kim Gillis
Barbara Hansel
Amanda Hardman
Matt Hunter
Sage LaCroix
Neil R. Shumate
Harold S. Zald

Emerald

Cameron Bergen
Shannon Boyd
Ivan Campbell
Ellen Cantor
Elizabeth Churchill
Damon Crume
Nicole Czarnomski
Tina M. Dixon
Doug Goldenberg
Whitey Lueck
David McClurg
Denene Roberts
Deanna Spooner
Sheryl Steinke
Joanne Vinton

High Desert

Paul Edgerton
Amanda Hetrick
Daniel & Karlene Richmond

Mid-Columbia

Marilyn Sarsfield

Portland

Mary Bushman
Norana & Josh Cooper
Bob Daugherty
India de Kanter
Sarah Dombrowsky
Nick Engelfried
Phil Goldsmith
Russ Holmes

Don Jacobson
Norm Kalbfleisch
Rebecca Kessler
Clair & Beverly Klock
Janet E. Kruse
Amy Love
Barry M. Maletzky
Susan Newman
Larry & Margo Rea
Jill Schatten
Jamie Sheahan
Richard Suthard
Maye Thompson

Siskiyou

Shawn DeCew
J. Sunja Goldenrose
Grace A. Hamilton
Gloria G. Heller
Tom Kowalski
Rick Stanfield
Henry Whitridge
Jody Willis
Jim Woltanski

Umpqua Valley

Susan Carter
Margo Hess

Willamette

Ellen Clay
Eric M. Coombs
Amy S. Gillette
Thomas L. Jenkins
Don & Marsha Kaehler
Mary E. McLurg
Tim & Camille Wallin
Vicki Willis

Wm. Cusick

Leslie Gecy

Members At Large

Nguyen T. Trung
Beth Vining



Charlene Simpson, Emerald chapter and state board member, enjoys the display at the Glide Wildflower after attending the recent NPSO board meeting in Roseburg.

RHODA LOVE

Funds Available for Low Cost Watershed Enhancement Projects

The Middle Willamette East Small Grant Team, a partnership of local watershed councils, soil and water conservation districts and the Oregon Watershed Enhancement Board, is accepting applications for watershed restoration projects. Each grant can apply for total project funds of up to \$9,000. The Middle Willamette East Small Grants Team (serving Marion, Linn, and a small part of Clackamas County) has \$70,268 to award to these projects through June 2005. Applications will be submitted directly to the Small Grant Team for funding consideration. For 2004, the Middle Willamette East Team application deadlines are the first business day of June, September and November.

Projects eligible for funding are:

- Streamside planting or protection projects
- Restoration or protection of upland habitats
- Wetland protection or restoration projects
- Urban watershed projects
- Native fish habitat improvement or passage improvement projects
- Conservation practices that reduce erosion or other water quality impacts

Project proposals must originate in the areas defined by Marion, Linn or southern Clackamas counties that may include, but are not limited to, the drainages and tributaries of the Pudding River, Pringle Creek, Claggett Creek, North Santiam River, South Santiam River, Mill Creek and the Calapooia River.

To receive applications and instructions, please contact your local soil and water conservation district. Funding for these awards is made available from the Oregon Watershed Enhancement Board (OWEB) through Ballot Measure 66 approved by voters in 1998. Measure 66 specified that 15 percent of lottery proceeds be used for watershed enhancement and maintenance of state parks. OWEB uses this funding to support voluntary efforts to restore factors in watersheds that limit water quality, water quantity, and the recovery of listed fish. For more information on OWEB or any of its programs, please contact Diane Cheyne at 503-399-5741 Ext. 121 or visit www.oweb.state.or.us.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Remarks at the Dedication of the Rowe-Love Herbarium at Lane Community College, May 14, 2004

by Rhoda M. Love

It is a VERY great honor when a Herbarium is named for an individual, and perhaps unique when one is named for two! I am extremely pleased that Freeman Rowe's name and mine are linked in this way. Since I first met Freeman in 1965 I have had the greatest admiration for him as a teacher and human being and feel privileged to count him as my friend.

What can we learn about Herbarium names? A quick web search indicates that the vast majority of the world's herbaria, probably close to 90%, are named for the institution in which they are housed. Two examples are the University of Washington Herbarium and the Oregon State University Herbarium. The remaining approximately ten percent of herbaria are named for individuals—almost all of whom were botanists, as one might predict. (A tiny number are named for major monetary contributors.)

In a very superficial web search I found around 40 herbaria world-wide named for persons, many of whom were VERY famous botanists and prodigious collectors. For example: The Linnaean Herbarium, the Gray Herbarium at Harvard, the Jepson Herbarium at Berkeley, the Peck Herbarium now at OSU, The Marion Ownbey Herbarium at WSU, the Carl W. Sharsmith Herbarium at San Jose State, the Cyrus G. Pringle Herbarium at the University of Vermont, the George Clifford Herbarium in London (Clifford was a contemporary of Linnaeus), the Charles Bessey Herbarium at the University of Nebraska, the Charles Darwin Research Station Herbarium in the Galapagos Islands, the Lewis and Clark Herbarium at the Academy of Natural Sciences Philadelphia. Others around the world are named for botanists who are less well known to many of us here in the Northwest.

Some of our very important Northwest botanists have not (yet) had

herbaria named for them. I believe we can all think of outstanding botanists in our own region for whom herbaria might well be named, for example, Kenton Chambers, C. L. Hitchcock, Louis F. Henderson, Wilhelm Suksdorf, Helen M. Gilkey....

Speaking of Dr. Gilkey, and narrowing my search further, I next searched the web for herbaria named for women. Now the numbers becomes very small indeed—I found two. In my sample this is one-half of one percent. One of the two I located is in Australia. The Janet Koch Herbarium at the University of Wollongong, Australia was named for a local naturalist who provided a generous bequest. No further information about Ms. Koch, was provided at the web site.

More extensive information, as well as a photo of the botanist, is available about the Ada Hayden Herbarium at Iowa State University, which was named for a woman whose life has some parallels to that of Oregon's Helen Gilkey. Ada Hayden was born just two years before Gilkey (1884)

and, like Helen, was the first woman to receive a doctorate from her University (in Ada's case Iowa State, in Gilkey's Berkeley). Ada was appointed Assistant Professor of Botany at Iowa State in 1920 and in 1934 became Curator of the Herbarium. She collected over 30,000 specimens for the Herbarium and also exchanged with other institutions. Unlike Helen Gilkey, who became a full Professor at OSU, Ada Hayden was denied full professor status. According to the web site information: "... she received little public recognition for her accomplishments but continued to work for what she believed in until her death in 1950." Throughout her career, Dr. Ada Hayden campaigned for a system of native prairie preserves in her region, one of which, like the herbarium, was later named for her.

I feel both humble and unworthy in light of this selfless career.

Many thanks again to Gail Baker and Lane Community College for this very great honor.



Rhoda Love and Freeman Rowe at the Rowe-Love Herbarium Dedication, Lane Community College, May 14, 2004

CLAY GAUTIER

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Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

☐ New

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☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

Leighton Ho Memorial Field Botany Award Fund \$ _____

Rare and Endangered Plant Fund \$ _____

Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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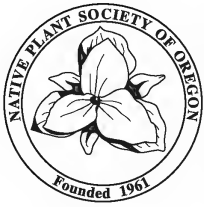
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WILLAMETTE VALLEY (Salem) John Savage 1645 Church St SE, Salem, OR 97302-2908; shirack@open.org; 503-399-8615
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Landowner Assistance Program Announced

The Marion Soil and Water Conservation District announces the second year of our cost-share grant program for landowners in Marion County. The Landowner Assistance Program provides small grants to support conservation projects that help protect, improve, or restore natural resources.

Marion SWCD will pay 50% of the project cost, up to \$5,000, and landowners are required to provide the remaining 50% of the project funds. Volunteer labor can be used for the landowner's matching portion. Preference will be given to small acreage landowners that have difficulty finding other financial assistance through existing state and federal programs.

Eligible projects include best management practices that solve a specific natural resource issue (such as erosion, weed control, overgrazing, etc.) Project examples include installing an off-stream livestock watering facility, planting a streamside buffer strip, removal of noxious weeds, and improving an irrigation system for water conservation. Marion SWCD will provide the technical assistance to implement the practices.

Applications are due at the Marion SWCD office, located at 3867 Wolverine St NE #16 in Salem, by July 1, 2004 at 4:30 PM. For an application, please stop by the office or visit www.open.org/mariswcd. Call the office at 503-391-9927 for more information.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 7

JULY 2004

President's Message

Greetings, Fellow Native Plant Enthusiasts!

by Bruce Newhouse, Outgoing President

What a cool, damp late spring we have had here in the Willamette Valley! And what a contrast to the warm, dry early spring. Plant growth is lush, and the weeds seem particularly robust now. My friends over the mountains say that it has been unusually cool and wet this spring over there as well.

This column represents for me the culmination of 5 years as NPSO State President. It has been a tremendous learning session for me, and I think the organization has grown and matured a lot as well. There are quite a few remarkable people who have been keeping the organization humming for a long, long time, but they have been stretched too far for too long. It is very inspiring to see some young blood step in and take on the task of President, Secretary, and other positions. This is key to NPSO becoming more of a force for protecting native plants and habitats.

I feel the need to mention at least a few of the names of NPSO activists that have made my tenure enjoyable, and at the same time, furthered the causes of the organization tremendously: Dan Luoma, Dave and Jan Dobak, Tanya Harvey, Cindy Roché, Jim Duncan and Elaine Pleasance, Veva Stansell, Charlene Simpson, Rhoda Love, Michael Hartman, Candice Guth, Stu Garrett, Shane Latimer, Karl Anderson, Karen Sturgeon and many others have been great people to work with—and that is just a start. There are so many more names that belong on that list,

but here I am, the last article holding up the newsletter, so I need to keep it short! My apologies to those of you not listed here, and I thank you all for your involvement in NPSO!

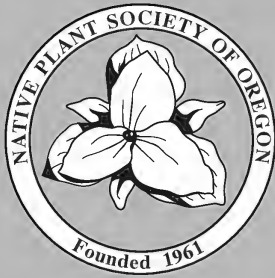
My five years (so Dan Luoma tells me) as NPSO President is done (at least this time around—who knows?!). During this time, in addition to many of the regular granting and conservation activities we do, we have adopted a field trip waiver and guidelines, updated our bylaws, got *Kalmiopsis* restarted, built a web site, become a major supporter of the Oregon Flora Project, adopted a native gardening policy, prevailed in two lawsuits protecting Oregon's rare plants, and completed many other tasks and improvements.

I am ready to pursue a different role for NPSO, which will unfold shortly, I'm sure. I think I would like to continue to work with our chapter and state webmaster to get more information posted, and in the hands of the public—members and non-members alike. I think I would like to help other chapters start on invasive species lists, native plant lists, native gardening information and developing their own web sites. As "Immediate Past President," I remain a voting board member until the current President is replaced, and then have the option—as do all of you—of attending board members as a non-voting member, or running again for a board position, or leaving the board and focusing on local chapter work.

Whichever way I go, I will enjoy myself. I always enjoy myself when I am working and experiencing nature with NPSOers—fellow plant lovers and activists who care about the quality of Oregon's life. I wish our new President, Kelli Van Norman, the very best, and will continue to hang out here in the background and offer support to her and the board in any way I can. We will be in great hands with Kelli at the helm—she has already proven herself invaluable to NPSO at the chapter and state levels. Thank you all for a fantastic 5 years. I couldn't have spent it with a nicer bunch of people!

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe nps

General Business Address

P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers
and Committee Chairs listed on the
inside of the back page.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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issue except for the Aug./Sept. issue
which is July 24. Send submissions by
e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publica-
tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

Editor's Note

Submission Information for Next Issue

A reminder that next month's *Bulletin* will cover the last half of August and September. The submission date will be pushed back two weeks to **July 24**. You should receive this issue the second week of August. The following issue will return to the usual schedule with a submission date of September 10th and should arrive by October 1st.

And I'd like to remind you one more time: Please send all submissions electronically and put in the same order as they are in the *Bulletin*. **Put NPSO and the Chapter or organization name in the subject.** This helps keep them from getting lost with the spam. **Please include the copy in the body of the e-mail** as attachments are sometimes difficult to read. Thanks and have a wonderful summer!

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.



Turkey peas (Orogenia fusiformis) is a diminutive member of the Carrot family (Apiaceae). This photo shows why it is called a snow-melt species. It emerges as soon as, or even before, the snow finishes melting. It flowers and completes its whole lifecycle very quickly before other taller plants emerge and take over. Turkey peas can be found in open areas in the Western Cascades.

TANYA HARVEY

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

For information on the Cheahmill Chapter call Marilyn Karbonski at 503-852-7230.

Corvallis

July 10, Saturday, 8:00am

Field Trip: Iron Mountain. Forest and meadow wildflowers will be the main attractions at this spectacular, botanically-rich area west of Santiam Pass. 4-5 miles, moderately difficult all-day hike. Meet at 8:00 am OSU parking lot, SW of The Beanery, 26th and Monroe, Corvallis. Call Dan Luoma, 541-752-8860, for more information.

Emerald

July 10, Saturday, 8:00 am

Field Trip: Conifer Identification Walk. Rob Weiss will lead a trip to Smith Ridge near the McKenzie River headwaters. Smith Ridge may have more conifer species in one small area than anywhere else in Oregon—rivaling the Klamath Mountains of California. Among 17 species are Alaska yellowcedar, silver fir, dwarf juniper and Engelmann spruce. We will walk 2 to 3 miles. Bring hand lens and lunch. Meet 8:00 am at South Eugene High School or 9:15 am at Harbick's Store 7 miles east of Blue River on Highway 126. For more info call Rob at 541-563-3947 or Dave at 541-345-5531.

July 11, Sunday, 8:00 am

Field Trip: Botany, Birds, and Butterflies of Bohemia Mountain. Join Bruce Newhouse for a long natural history day up in Bohemia country, to view wildflowers, butterflies and birds

in the most diverse area of Lane County—and the views are spectacular, too! Bring water, lunch and sturdy shoes (some hiking likely will occur). Also bring a hand lens, binoculars, field guides, sunscreen and sunglasses. Some of the driving is over gravel road. Meet at South Eugene High School parking lot at 8:00 am to carpool. We'll return by 6:00 or 7:00 pm, although some may opt to return earlier. www.naba.org/chapters/nabaes/hot-spots.html has a list of butterflies to be expected in the Bohemia area. For more info call Bruce at 541-343-2364.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

July 18, Sunday, 8:00 am

Field Trip: Blair Lake Trail high above Oakridge. Barbro McCree will take us up the Blair Lake Trail to view summer wildflower displays near 5000' elevation. Meet 8:00 am at South Eugene High School or 9:00 am at the Middle Fork Ranger Station. Return to Eugene by 6:30 pm. Questions, call Barbro at 541-782-3919 or e-mail at k_mccree@efn.org. Visit Barbro's web page at www.efn.org/~k_mccree/Blair-LkTrail.html.

July 24, Saturday, 8:00 am

Field Trip: Calapooya Divide. Visit the beautiful Calapooya Divide separating the Willamette and Umpqua River watersheds on this easy hike co-sponsored by the Native Plant Society and the Willamette National Forest. The main goal will be to relocate rare species at Bristow Prairie. Interesting species in the wet meadowland include *Sidalcea cusickii* and *Veratrum insolitum* and other species common in southern Oregon. Meet to carpool 8:00 am at South Eugene High School or 9:00 am at the Middle Fork Ranger Station west of Oakridge. Bring a hat, lunch, water and comfortable walking shoes. For more information contact Jenny Lippert at 541-225-6440.

September 9, Thursday, 9:30 am

Herbarium Work Party: Assist with mounting and organizing specimens in the Rowe-Love Herbarium at Lane Community College. Meet in the LCC Science Building (Bldg 16) Rm 117 from 9:30 am to noon. Refreshments provided. No background necessary and all assistance is appreciated. Learn some valuable collection and preparation skills and contribute to adding to our collection of over 3000 specimens. Contact Gail Baker, Science, Lane Community College, 541-463-5085 or bakerg@lanec.edu.

High Desert

July 3, Saturday, 8:30 am

Field Trip: Iron Mountain/Cone Peak.

We will walk 3 to 4 miles along the Cone Peak/Iron Mountain trail through conifer forests up to mountain meadows overlooking Tombstone Pass. This trip will be a joint affair with Audubon Society and will entail both birding and plant ogling. Be prepared for a moderate hike. Bring good boots, lunch, sunscreen, water and a good attitude. This is a beautiful place. Call trip leader Reid Schuller (541-317-1901) to reserve a spot or for more information. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30am and return late afternoon.

July 10, Saturday, 9:00 am

Field Trip: Wildfires and Wildflowers.

Explore the fire landscape of the Metolius Basin and unique wildflower habitats with US Forest Service ecologist, Maret Pajutee. We'll visit the 2003 "B & B Complex" wildfire area and discuss fire ecology and restoration issues. Meet at Sisters Ranger District Office in Sisters (west end of town) at 9:00 am. Be prepared for off-trail hiking. Please wear long pants and good boots. Call trip leader Maret Pajutee for more information 541-549-7727 (days).

July 17, Saturday, 8:30 am

Field Trip: Restoration of Local Weedy Natural Areas.

David Bowers has been restoring areas of knapweed, toadflax, and cheat grass invasion locally. This easy hike will look at several areas in Bend and Sunriver that he has restored over the last 4 years. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon. For more information call Stu Garrett, trip leader, 541-389-6981 eves.

July 24, Saturday, 8:30 am

Field Trip: Canyon Creek Meadows.

Flowing off the north face of Three Fingers Jack, this montane/subalpine forest/meadow mosaic is a favorite wilderness destination for hikers and wildflower enthusiasts alike. Join us for

this 7-mile (round-trip) easy-to-moderate hike in the Mt. Jefferson Wilderness. Group size is limited to 12 people and priority will be given to NPSO members. Pre-registration is required! Call trip leader Reid Schuller for sign-up: 541-317-0199 (days), 541-317-1901 (evenings) for more information. This trip will depart the Pilot Butte State Park parking lot promptly at 8:30 am and return late afternoon.

August 14, Saturday, 8:30 am

Field Trip: Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the High Cascades west of Bend is a six-mile round-trip, moderate-to-strenuous hike with a 1700' elevation gain. We'll do mostly off-trail hiking through the Three Sisters Wilderness, so hiker numbers are limited to 12. Meet at Pilot Butte Lot at 8:30 am. If we can't go to Broken Top we will hike Black Crater. Pre-registration is required! Call trip leader Stu Garrett for sign-up: eves 541-389-6981. The sooner the better!!

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

July 7, Wednesday, 6:30 pm

Potluck Picnic: at Afton Foote's Home, 616 E. Scenic Dr., The Dalles.

August 4, Wednesday, 7:30 pm

Meeting: On Top of the Cascades: Sub-alpine wildflowers, Shrubs & Trees. Bring your favorite specimens and some ripe huckleberries. Also ongoing seed collection information for native plant gardening. The Dalles Chronicle Meeting Room, 317 E. 3rd, The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

July Meetings Discontinued

In December 2003 the Portland chapter approved discontinuing meetings in July and August. Attendance is low and field trips are keeping members active.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

July 10, Saturday, 9:00 am

Field Trip: Young's Valley. Moderate 5-mile hike to a beautiful high elevation valley just inside the Siskiyou Wilderness with spectacular views of Preston Peak, El Capitan and surrounding mountains. The drive to the trailhead passes through a wide variety of plant communities typical of the western Siskiyou, including diverse conifer forests, serpentine ridges and fens, a stop at Sanger Lake, and great views of rugged mountains. A high clearance vehicle is recommended for a short part of the route to the trailhead. Expect to be back at the Visitor Center around 5:00 pm. Meet 9:00 am at Illinois Valley Visitor Center in Cave Junction, Hwy 46, half a block from Hwy 199. Leader: Karen McCullough 541-592-4032.

July 17, Saturday, 9:00 am

Field Trip: Red Mountain (west of Mt Ashland). Enjoy a moderate four-mile hike along the flank of Red Mountain, identifying unusual wild flowers like *Ipomopsis aggregata* and *Anemone drummondii* along the way. Bring lots of water! Meet 9:00 am in Ashland Bi-Mart parking lot next to fence along Tolman Creek Rd. (Ashland St and Tolman Creek Rd near I-5 exit 14). Leader: Lusetta Nelson 541-301-3799.

July 24, Saturday, 9:00 am

Field Trip: Chrome Ridge and/or Flat Top and/or Chinaman's Hat (Siskiyou Mountains). The exact whereabouts of this trip will depend on what is in bloom! Expect a long drive deep into the heart of the Siskiyou

Mountains to explore higher elevation flora. We may see Lobb's eriogonum, a *Darlingtonia* fen, Bolander's lily, Englemann's lomatium, Sadler's oak, as well as landscape views of the Biscuit Fire and returning vegetation! Moderate hike. Bring plenty of food and water! Meet 9:00 am at US Forest Service Bldg, 200 NE Greenfield Rd, Grants Pass, just north of Exit 58 off I-5, east side of freeway. Leader: Cecile Shohet, 541-592-4052.

July 31, Saturday, 4:00 pm

Field Trip: Bigelow Lakes Botanical Area and Mount Elijah. This is the classic late afternoon-late night hike that Lee has been leading for many years. We will watch the sunset and may see everything from rare plants to resident long-eared owls. Bring water, dinner, warm clothes, flashlight, and good hiking shoes. Moderate 5-mile hike. Recommended reading: Don Begnoche, *Siskiyou Sundays*, pp. 101-106; Mary Paetzl, *Spirit of the Siskiyou*, pp. 118-155. Meet 4:00 pm at Illinois Valley Visitor Center, Cave Junction, Hwy 46, half a block from Hwy 199. Leaders: Lee Webb 541-479-6859, Karen McCullough, Cecile Shohet.

August 7, Saturday, 10:00 am

Field Trip: Dutchman Peak/Observation Peak (west of Mt Ashland). Visit two easily accessible Botanical Areas in Rogue River National Forest and see rare plants and beautiful wildflowers still in bloom when lower elevations are hot, dry, and bloomless. Short, easy walks. Meet 10:00 am at Star Ranger Station in the Applegate Valley, 7 miles south of Ruch on Upper Applegate Rd. Leader: Barbara Mumblo 541-899-3855 (w).

Umpqua Valley

July 10, Saturday 11:00 am

Potluck: At Katherine Hausotter's place on 4925 North Myrtle Road, Myrtle Creek. When going out North Myrtle, read addresses from mailboxes. View *Lilium occidentale*. For the latest contact Ron Hatt at hattr@citlink.net or 541-863-7024.

Willamette Valley

July 10, Saturday, 7:30 am – 6:00 pm

Field Trip: Cone Mountain/Iron Mountain. Join us for one of the best wildflower hikes in Oregon. Slow pace over a seven-mile loop. For more information or to register, call John Savage (503-399-8615).

July 17, Saturday, 9:00 am – 3:00 pm

Work Party: Seed Collection at Kingston Prairie Preserve. The local chapter will collect seed at the Kingston Prairie Preserve for the Oregon Nature Conservancy. Bring a lunch. For more information or to register, call John Savage (503-399-8615).

August 14, Saturday, 7:00 am – 6:00 pm

Field Trip: McNeil Point. We will view mountain meadow flowers in the Mt. Hood area. Plan for a long day and bring a lunch. For more information, call John Savage (503-399-8615).

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Conservation Coordinator Still Needed

We still need a Conservation Coordinator/Chair for the Eastside. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in the position, please contact the president at president@NPSOregon.org.



Viola macloskeyi is a cute little white violet of montane wet meadows. These were photographed June 12 at Quaking Aspen Swamp south of Cougar Reservoir in the Western Cascades.

TANYA HARVEY

Zigzag Ranger District Wildflower Hikes

For further information phone 503-622-3191, ext. 0.

Top Spur to Bald Mountain July 16, Friday, 10am – 2pm

This destination was last year's most popular wildflower hike! Join Mt. Hood National Forest botanists, Marty Stein and Carol Horvath, to view the early summer display of wildflowers as you hike the Top Spur trail to Bald Mountain. Enjoy the spectacular view of Mt. Hood as you gaze upon a vivid display of forest and meadow wildflowers. The trail is rated moderate in difficulty, gains 300' and is four miles round trip. Meet at the Zigzag Ranger District at 70220 E. Hwy 26 at 10 am, then carpool 12 miles to the Top Spur trailhead parking area. Bring water, lunch, rain gear, warm clothing, and supportive shoes or boots for walking on the uneven terrain of a forest trail. A Northwest Forest Pass is required for parking and may be purchased at the Zigzag Ranger Station. The number of participants will be limited to 2 groups of 12 each, including the hike leaders, so arrive early and check in with the leaders to secure your spot.

Timberline Lodge July 30 & August 13, Fridays, 10am – 2pm

Join Mt. Hood National Forest botanist, Carol Horvath, to view the sizzling display of subalpine wildflowers as you leisurely walk 2 miles of trails in the vicinity of Timberline Lodge. Experience the high elevation majesty of Mt. Hood, as you learn how the plants have adapted to survive the extreme environment. Meet at the Forest Service Information Desk at Timberline Lodge. Bring water, lunch, rain gear, sunscreen, appropriate clothing, and supportive shoes or boots for walking on the uneven terrain of a forest trail.

Friends of Buford Park & Mt. Pisgah Volunteer Opportunities

Eugene, 541-344-8350, office@bufordpark.org, www.bufordpark.org
To volunteer, please call the number listed with the event or e-mail volunteer coordinator Val Rogers: volunteer@bufordpark.org.

Summer Seed Collecting July & August, Fridays, 7 am – 12 pm

Join Stewardship Coordinator Jason Blazar for Friday morning seed collecting! A great opportunity to see the park, learn the plants, and gather seeds. Meet at the Arboretum parking lot. Contact Jason to confirm dates: ecoblazar@msn.com, 541-543-6869
RSVP REQUIRED!

South Meadow, Seed Collecting Group Work Parties July 17 & 31, Saturdays, 9 – 12 pm

The native plants are at their peak! See

and feel the marvelous variety of seeds they produce. Meet at the Arboretum parking lot. Bring water!

"Adopt A Plot" (at the Native Plant Nursery) "Adopt A Reach" (of the Restored Side Channel)

Self-motivated types can make a huge difference! Keep these areas free of weedy invasive plants. Use your tools, on your time, at your pace, about 3 hours per month. What a way to take ownership of your public park! For more info, call Val at 541-344-8350.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Elk Meadows Hike July 29, Thursday, 9am-5pm

Much of the trail leads through a sheltering forest with trillium, vanilla leaf, arnica and huckleberries. See Engelmann spruce, more common in the Rockies than in the Cascades, along Clark Creek. We'll walk by summer favorites: bear grass, lupine and queen's cup lily, red Indian-paintbrush, columbine and more. The high point features outstanding views of Mt Hood, so close you can almost touch it, and a lovely alpine meadow. This hike is almost 7 miles round trip. And while the elevation gain is less than 1000 ft, there are several small, and one larger stream crossings that require caution. \$10 (\$8 BBG Members).

Siskiyou Field Institute Course

For more information about this course or any of SFI's upcoming 2004 programs go to www.siskiyou.org/sfi, e-mail institute@siskiyou.org, or call 541-592-4459 (or in Ashland 541-482-1417).

Crater Lake Biome: Natural Systems on the Flanks of Mt Mazama July 10-12

This two and a half day course offers the incredible opportunity to explore various ecosystems at Crater Lake with terrestrial park ecologist Dr. Michael Murray. Dr. Murray will guide you through the parks varied ecosystems, focusing on the processes and dynamics of change and the effect on sensitive ecosystems. Day trips will be combined with evening presentations to maximize your experience. Park resource scientist John Salinas will also assist and offer his insight from over 20 years of research on the lake itself. Park entrance fee is included with \$80 tuition, camping or lodging is extra.

Willamette National Forest Offers Numerous Outings

The Willamette National Forest is offering various guided hikes to pick berries, view wildflowers, enjoy scenery and learn about the history of the area. Some hikes are free and some have a nominal fee to cover costs like transportation. Costs for the four-day trip includes meals and overnight accommodations. To participate contact Joanne West at 541-367-9206

A Trek Through Time Heritage Expedition July 12-15

Discover the history, geography, geology, flora and fauna of the Santiam River Basin. Learn about the culture and history of the people who lived within and used this scenic landscape. The journey covers rock art caves to historic travel routes to early European contacts. Hiking is an integral part of this program with moderate to difficult terrain for a total of 16 miles over three days. Trip Leaders: Archaeologists, botanists, biologists, geologists and representatives from local American Indian Tribes. Fee: \$395.

Echo Basin Wildflower Hike July 16, Friday, 9 am

Moderate two-mile hike leads to a wet meadow teeming with wildflowers. There is an optional one-mile hike to North Peak which is straight up, difficult and off-trail. Meet at Sweet Home Ranger District at 9 am. Bring lunch and water. Also sturdy footwear and long pants are required for the hike to North Peak. Transportation is provided. Trip Leader: Botanist Alice Smith. Fee: \$10 (\$5.00 with Golden Age/Access card).

South Pyramid Trail August 20, Friday, 8 am

As a link between the Old Cascades Trail network and the Middle Santiam Wilderness trail system, this difficult 5.4-mile trail drops off the base of South Pyramid and follows the creek that shares the same name. Hikers will experience younger forests until the trail drops through a beautiful old-growth forest. Meet at Sweet Home Ranger District at 8 am. Bring lunch and water, hiking boots, appropriate clothing. Transportation is provided. Fee: \$10 (\$5.00 with Golden Age/Access card).

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Sidalcea Summer Two: Continued Efforts to Save Henderson's Checkermallow

by Rhoda Love, Vice President, rglove@darkwing.uoregon.edu

I last wrote in January informing *Bulletin* readers that NPSO's petition had been mailed to the Oregon Department of Agriculture (ODA) Plant Conservation Biology Program. Because Henderson's checkermallow has apparently vanished from 9/10ths of its historic locations in our state, we made a strong case for listing *Sidalcea hendersonii* as threatened in Oregon. Our Board was pleased to receive the following reply from Dr. Robert Meinke, leader of the ODA program: "In our estimation, the petition presents sufficient scientific and related evidence to justify a full status review." (2/11/04.)

NPSO sent a similar petition to United States Fish and Wildlife Service (USFWS); their reply was less positive. The Acting Regional Director in Portland wrote, "Our initial review of your petition does not indicate that an emergency situation exists... We anticipate making an initial finding in Fiscal Year 2005 as to whether your petition contains substantial information indicating that the action may be warranted." (2/2/04.) Despite the delay in action, NPSO looks forward to working with both agencies to assist with the recovery of Henderson's checkermallow in Oregon.

Meanwhile, field work goes forward. Here is a brief outline of what is now taking place. Teams are making plans to be out again in both Clatsop and Tillamook Counties searching historic locations and noting possible reintroduction sites. As for locating Henderson's checkermallow, the 2003 season taught me that the plant, despite its tall stems and showy pink flowers, is not easy to spot in its estuarine habitat.

This checkermallow blooms relatively late (July) at a time when tall associated grasses and other species have over-topped it. Some of its associates (native and introduced) are: *Angelica lucida*, *Agrostis stolonifera*, *Carex lyngbyei*, *Deschampsia caespitosa*, *Distichlis spicata*, *Heracleum lanatum*, *Rumex cris-*

pus, *Scirpus maritimus*, *Scirpus acutus*, *Festuca arundinaceae*, *Vicia nigricans*.

These plants can be so concealing that in walking through the flat estuary one does not see the *Sidalcea* until one is but a few yards from it.

Reintroduction

With the help of the Nature Conservancy, Melanie and Steve Gisler of Corvallis collected seed last summer in the Siuslaw Estuary and have grown this in the greenhouse into sturdy young plants. They will be undertaking research this summer to find protected reintroduction sites. Their work will be partly funded by NPSO's Leighton Ho Memorial Field Research Grant.

Purchase of Habitat

The McKenzie River Trust of Eugene will continue its efforts to purchase known *Sidalcea hendersonii* habitat in Lane County estuaries. Set-asides for the checkermallow can also be managed to implement recovery of anadromous fish such as steelhead and salmon.

Kalmiopsis article

Melanie Gisler, our Oregon expert on this species, who understands all aspects of its reproduction, biological requirements, pollination, and predation, is now writing an article for the next issue of *Kalmiopsis*. I am assisting by adding some brief information on historical collections and the campaign for state and federal listing. Melanie will need some spectacular photos to accompany her article. Photographers in Washington and Oregon are urged to submit photos to me by the end of July. Hint: the checkermallow's bright pink flowers look gorgeous against a clear blue summer sky. Be sure to take a macro lens to capture pollinators—mostly bumblebees—and look for weevils eating pollen and seeds. Try to photograph the differences between perfect and female-only flowers. Cindy Roché, *Kalmiopsis* editor, reminds us that photos in portrait mode look stunning on a magazine cover. Here's to *Sidalcea* Summer Two and Flowers Forever!



RHODA LOVE

Sidalcea hendersonii, Cox Island, Lane County. Photo taken June 2003.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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WM CUSICK (La Grande) Frazier Nichol c/o Dick Kenton, 1805 U Ave., La Grande, OR 97850; 541-963-7870

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LEGISLATIVE Position vacant

MEMBERSHIP Clayton Gautier 3927 Shasta View St, Eugene OR 97405-4442; membership@NPSOOregon.org

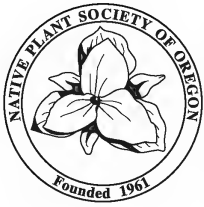
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Lewis & Clark Wilderness Proposal

by Peggy Robinson, Emerald Chapter

In this era of environmental doom and gloom, here is some promising news!

This exciting proposal floated by Senator Wyden would add 160,000 acres of officially designated wilderness to the Mt. Hood National Forest as well as adding 36.9 miles to the national Wild and Scenic River System. Public meetings have produced a good deal of support for the proposed legislation, however, it is important that Oregon's whole Congressional delegation support it and that it not be watered down significantly. There was a recent meeting of various stakeholders at Timberline Lodge to discuss the proposal, as well as some other proposals including creating a national park in the area. Please follow the news about this issue and let Senator Smith (503-326-3386) and Rep. Walden (541-389-4408) know that you favor as much wilderness as possible on Mt. Hood and ask them to co-sponsor the legislation, which is already supported by the Democratic members of our Congressional delegation.

Jean Davis Memorial Scholarship Awarded

A winner has been selected to receive the Jean Davis Memorial Scholarship Award for 2004. Congratulations are in order for Therese Biboux. She has been attending Lane Community College, but will be heading to OSU in the fall. She was chosen on the basis of her strong motivation, her diligence in academics, and her involvement with conservation activities. She received high praise from her references and we agree that she is highly deserving of this recognition and support. She has received a Certificate of Award, and at the fall term \$1,000 will be made available toward Therese's tuition at OSU. We on the Scholarship Committee hope this award helps her to achieve her goal of receiving a biological science/teaching degree, and becoming an instructor. We encourage her to continue this pursuit and wish her every success along the way. Congratulations Therese!

The Scholarship Committee this year consisted of Bruce Newhouse, NPSO President, John Savage, Willamette Valley Chapter, and Thomas Jenkins, Willamette Valley Chapter.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 8

AUGUST/SEPTEMBER 2004

Busy Week Botanizing in La Grande at the NPSO Annual Meeting

by Kent Coe, William Cusick chapter

The 2004 annual meeting of the Native Plant Society of Oregon was held in La Grande on June 25th through June 27th and was co-hosted by the Blue Mountain (Pendleton) and

William Cusick (La Grande) Chapters. The weekend of festivities started with a couple hours of botanizing at Emigrant Springs State Park on Friday afternoon with about 25 intrepid plant fanatics. *Cypripedium montanum*, *Taxus brevifolia* and *Lupinus sabinianus* were some of the highlights. Friday night was registration, along with finger foods, socializing and jazz music provided by Hideki Nokariya on guitar, Luke McKern on drums and Jack Niedermann on bass.

Most of Saturday was spent on various field trips. The Hurricane Creek hike into the Eagle Cap Wilderness was lead by Susan Geer and Jerry Hustafa of the Wallowa-Whitman National Forest, and was very popular. Another popular field trip was scheduled to hike in the alpine area of Anthony Lakes, but due to snow, was moved to the North Fork of Catherine Creek and was lead by Wallowa-Whitman botanist Gene Yates. Paula Brooks took people along the Lostine River, looking for *Botrychium* species, of which they saw four.

Eastern Oregon University botany professor Karen Antell and Dick Kenton of the Plantworks led people through Ladd Marsh looking at restoration of wetlands. Danna Lytjen and Nick Otting came from Eugene to focus a field trip on the carices and salices of northeast Oregon. Again, due to the phenology of the plants, the trip was modified, and combined with the Ladd Marsh field trip.

Andy Huber of the Oregon State University range department lead participants to his property near Elgin and then up Phillips Creek and into the Blue Mountains. Ron Kelley of the EOU science faculty showed NPSO members Summit Road to Indian Rocks where numerous *Lomatium* species were seen. Jerry Baker of the Blue Mountain Chapter led the trip to Cusick Creek as well as Thief Valley, and past Catherine Creek State Park. The Morgan Lake field trip, led by Kent Coe, spent the day at the nearby City of La Grande park.

Saturday night's banquet featured a menu of chicken cordon-bleu, salads and cheesecake. The after-dinner festivities were emceed by Berta Youtie, with Bruce Newhouse giving a farewell address. Bruce Barnes was the featured speaker presenting a program on his interactive plant keys for Oregon and the Pacific Northwest. (See <http://www.xidservices.com/FID>)

Sunday ended the get together with half day field trips back to Summit Road in the Blue Mountains and to the PlantWorks, a local native plant nursery, while the Board of Directors for NPSO met on the EOU campus. Next year the Annual Meeting is scheduled to be in Roseburg, hosted by the Umpqua Chapter. See you then.

For plant lists from the North Fork Catherine Creek and Morgan Lake field trips e-mail Kent Coe at kcoe@orednet.org.

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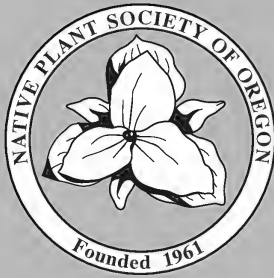
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Native Plant Society of Oregon

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E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

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P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers
and Committee Chairs listed on the
inside of the back page.

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articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

Editor's Note

Submission Information for Next Issue

Next issue we're back to the normal schedule. Please send all your submissions and articles for the next issue by September 10. To help streamline the process please use the format and order you see in the current *Bulletin*. No need to put the year, but please include date, day, time and contact information with full area code. And please put which chapter the events are for and "NPSO" in the e-mail subject so it will not get lost among the hundreds of e-mails I receive each week. Thanks!

Be On The Lookout . . .

... for NPSO members who might be candidates for one of the positions on the Officer's slate or Board of Directors that will be filled for year 2005. I know, I know, we just got through installing for 2004. But nominations must be made in time for the committee to report to the President December 1, 2004. Time flies!

The elected positions are as follows: President, Vice-President, Treasurer, Secretary (one-year terms), and three Directors-at-Large (two-year terms). You must ask the nominees permission to put their name on the ballot. Nominees will be asked for a short biographical paragraph. There are four board meetings a year, one of which is the Annual Meeting, and you're going to that anyway, aren't you?

As an Officer or Board Member you will receive rewards: the association with interesting plant-centric folks and the knowledge that you are helping to conserve the flora of Oregon. Maybe even fame and glory, who knows?

Nominating Committee, Chair Dan Luoma, Dick Brainerd, Esther McEvoy, Veva Stansell.



Horsemint (Agastache urticifolia) may not be bright red but its tubular flowers are irresistible to hummingbirds as well as butterflies and sphinx moths. Along the Buck Canyon trail in the Rogue Umpqua Divide Wilderness where this photo was taken, large numbers of Rufous hummingbirds were fighting over patches of the pale lavender flowers.

TANYA HARVEY

State

October 16, Saturday

Board Meeting: The Siskiyou chapter will host the fall board meeting in Ashland. Watch for more information on time, place and directions in the October *Bulletin*.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

September 23, Thursday, 7:00 pm

Meeting: Burning Forests—Humans and Fire in the Pacific Northwest.

William Robbins, Oregon State University Emeritus Distinguished Professor of History, and Chautauqua scholar, will discuss the interplay of history and landscape; specifically, the cultural, ecological and economic role played by fire in the PNW. Mr. Robbins's program is made possible by funding from the Oregon Council for the Humanities, an independent, non-profit affiliate of the National Endowment for the Humanities. OCH is dedicated to providing opportunities for life-long learning in communities throughout Oregon. For more information about OCH or Oregon Chautauqua please call Carol Hickman at 503-241-0543. Meeting at 7:00 pm, Carnegie Room, McMinnville Library, 225 N. Adams St. For more information on the Cheahmill chapter contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

Corvallis

For information on the Corvallis Chapter call Marilyn Karbonski at 503-852-7230.

Emerald

September 9, Thursday, 9:30 am

Herbarium Work Party: Assist with mounting and organizing specimens in the Rowe-Love Herbarium at Lane Community College. Meet in the LCC Science Building (Bldg 16) Rm 117 from 9:30 am to noon. Refreshments provided. No background necessary and all assistance is appreciated. Learn some valuable collection and preparation skills and contribute to adding to our collection of over 3000 specimens. Contact Gail Baker, Lane Community College, 541-463-5085 or bakerg@lanecc.edu.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

September 20, Monday, 7:30 pm

Meeting: Forests, Fire and Politics: Lessons from the Wild Siskiyou. The largest logging project in the modern history of our National Forests is bringing a spotlight on the botanically-rich Siskiyou Wild Rivers Area in southwestern Oregon. From the management of roadless forests to fire risk reduction, the "Biscuit Fire Recovery Project" is the single most important forest management project in the country. In this interactive slide presentation, we will explore the special qualities of the wild Siskiyou, current political issues and fire ecology. Speaker Rolf Skar has served as campaign coordinator for the Siskiyou Regional Education Project for two and a half years. Having worked on environmental issues professionally for more than seven years, Rolf has also volunteered for a variety of conservation campaigns in Oregon. 7:30 pm, Room 115, Science Building, Lane Community College, 4000 30th Avenue East, Eugene. The College is just west of Interstate 5 on 30th Avenue; the Science Building is at the southeast corner of campus with generous free parking.

October 2, Saturday, 8:00 am

Field Trip: Moss and Lichen ID at Coast. Rob Weiss and Dave Wagner will lead a 4 mile tour through shore pine forest at Sutton Creek to study rare species such as *Limbella fryei* and *Leioderma sorediatum*. Bring hand lens, lunch and boots. Meet at 8:00 am at South Eugene High School or at 10:00 am at the FM-Fuel Stop at Fred Meyers in Florence. Northwest Forest Pass required. For more information contact Rob Weiss at 541-563-3947 or Dave Wagner at 541-344-3327.

High Desert

August 14, Saturday, 8:30 am

Field Trip: Broken Top Volcano. Our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the High Cascades west of Bend is a six-mile round-trip, moderate-to-strenuous hike with a 1700' elevation gain. We'll do mostly off-trail hiking through the Three Sisters Wilderness, so hiker numbers are limited to 12. Meet at Pilot Butte Lot at 8:30 am. If we can't go to Broken Top we will hike Black Crater. Pre-registration is required! Call trip leader Stu Garrett for sign-up: eves 541-389-6981. The sooner the better!!

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

August 4, Wednesday, 7:30 pm

Meeting: On Top of the Cascades: Subalpine wildflowers, Shrubs & Trees. Bring your favorite specimens and some ripe huckleberries. Also on-going seed collection information for native plant gardening. The Dalles Chronicle Meeting Room, 317 E. 3rd, The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

For information on the Portland Chapter contact Mandy Tu at imtu@tnc.org.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

August 7, Saturday, 10:00 am

Field Trip: Dutchman Peak/Observation Peak (west of Mt Ashland). Visit two easily accessible Botanical Areas in Rogue River National Forest and see rare plants and beautiful wildflowers still in bloom when lower elevations are hot, dry, and bloomless. Short, easy walks. Meet 10:00 am at Star Ranger Station in the Applegate Valley, 7 miles south of Ruch on Upper Applegate Rd. Leader: Barbara Mumblo 541-899-3855 (w).

Umpqua Valley

For information on the Umpqua Valley Chapter call Ron Hatt at 541-863-7024.

Willamette Valley

**August 14, Saturday,
7:00 am – 6:00 pm**

Field Trip: McNeil Point. We will view mountain meadow flowers in the Mt. Hood area. Plan for a long day and bring a lunch. For more information, call John Savage (503-399-8615).

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.



Calochortus eurycarpus seen at Morgan Lake just outside of La Grande.



PHOTOS BY GAIL BAKER

NPSO members Paul Slichter, Wilbur Bluhm and Ed Myers botanizing near Mt. Emily during the recent NPSO Annual Meeting in La Grande.

Willamette National Forest Outings

The Willamette National Forest is offering various guided hikes to pick berries, view wildflowers, enjoy scenery and learn about the history of the area. Some hikes are free and some have a nominal fee to cover costs like transportation.

South Pyramid Trail August 20, Friday, 8 am

As a link between the Old Cascades Trail network and the Middle Santiam Wilderness trail system, this difficult 5.4-mile trail drops off the base of South Pyramid and follows the creek that shares the same name. Hikers will experience younger forests until the trail drops through a beautiful old-growth forest. Meet at Sweet Home Ranger District at 8 am. Bring lunch and water, hiking boots, appropriate clothing. Transportation is provided. \$10 (\$5 with Golden Age/Access card).

Berry Picking Bonanza August 27, Friday, 9 am

Learn to recognize all kinds of edible and poisonous wild berries. Short easy hikes at several locations on the Sweet Home Ranger District, culminating in a great huckleberry picking area. Meet at the Sweet Home Ranger District at 9:00 am. Bring lunch and water; transportation is provided. \$10.00 (\$5.00 with Golden Age/Access Card). Trip Leader: Botanist Alice Smith. To participate contact Joanne West at 541-367-9206. Sign up early as this event is limited to 20 people.

Nearby Nature Volunteer Orientation

September 14, Tuesday, 6:30-8 pm

Learn about becoming a park nature guide, helping with school programs, working on ecological restoration and more! Meet at the Park Host Residence in Alton Baker Park in Eugene (between the dog run and new community gardens), 541-687-9699.

Judge Waldo* Hike Daly Lake/Pyramid Creek September 10, Friday, 8 am

Retrace the steps of Judge Waldo on this moderate 3.5-mile hike. Meet at Sweet Home Ranger District at 8 am. Bring lunch and water, hiking boots, appropriate clothing. Transportation is provided. \$10 (\$5.00 with Golden Age/Access card). To participate contact Joanne West at 541-367-9206.

Judge Waldo* Hike South End Waldo Lake September 17, Friday, 9 am

Follow the route of Judge Waldo's party from Shadow Bay boat ramp to his Camp Edith on the south shore of Waldo Lake on this moderate 3-mile hike. Meet at Middle Fork Ranger District at 9 am. Bring lunch and water, hiking boots, appropriate clothing. Transportation is provided. \$10 (\$5.00 with Golden Age/Access card). To participate contact Carol Winker at 541-782-5318.

Judge Waldo* Hike Santiam Wagon Road September 24, Friday, 9 am

Follow Judge Waldo's trail from Fish Lake to Clear Lake, the headwaters of the McKenzie River. Meet at McKenzie River Ranger District at 9 am. Bring lunch and water, hiking boots, appropriate clothing. Transportation is provided. \$10 (\$5.00 with Golden Age/Access card). To participate contact Eric Bergland at 541-822-7235.

*Judge John B. Waldo, a native Oregonian, was born in 1844. He graduated from Willamette University in 1870 and was elected to the Oregon Supreme Court in 1880. Throughout his years in government and up until his death in 1907, Waldo was a steadfast defender of Oregon's "free and untrammelled wilderness." He cherished the High Cascades and could easily be called the "John Muir of Oregon."

Special Lewis & Clark Exhibit: A Passion For Plants

July 17 ~ November 15, 2004 Maryhill Museum of Art, Goldendale, WA

During their journey through the Northwest, Lewis & Clark documented 45 native plants. Their journal entries about the plants are a unique combination of science and art. Included in the exhibit are photographs of original Lewis and Clark Herbarium sheets, plant study specimens, early 20th century hand-tinted photographs by celebrated Northwest photographer Albert Barnes, historic Native American objects decorated with or fabricated from those plants alongside contemporary works of art by Northwest artists Rebecca Allan, Ineke de Lange, Ron van Dongen, Kay French, and Stephan Soihl who were inspired by the same plants.

Maryhill Museum of Art is open daily from 9am to 5pm, through November 15, and is located on Washington Scenic Route 14 just west of US 97. General admission is \$7, seniors \$6, children under 17 \$2. For more information call 509-773-3733 or go to www.maryhillmuseum.org.

Day of Service & Fun at Henry Hagg Lake

September 18, Saturday

SOLV-sanctioned Debris Removal Event & Afternoon of Play in the Park in honor of Clean Up the World Day at Henry Hagg Lake, Scoggins Valley Park, in Gaston. There will be a full day of events such as a Native Plant Hike, Natural Gardening Techniques for the New and Experienced Gardener, Birds & Butterflies, fishing, boating, skiing, biking, and more. Free!

RSVP is required to plan enough food everyone. For more information call 503-493-6918 Ext. 3 or e-mail letters@thebeckersonline.com.



TANYA HARVEY

The tall pale yellow wands of Pedicularis bracteosa are a common sight in moist subalpine meadows and can be found in moist forests as well. There was a particularly good show of them this summer in the wet meadows of Olallie Mountain in the Three Sisters Wilderness.

Friends of the Oregon Flora Project



www.oregonflora.org

For many, photographing native plants is one of the pleasures that comes with an awareness of Oregon's botanical treasures, whether they are found in your back yard or on a high country field trip. Would you like your photographs to become part of a resource that will benefit many?

The Oregon Flora Project will be launching its Photo Gallery in the new year, and we welcome your photographic input. A preliminary information sheet about the photo gallery and how to contribute images can be found at:

www.oregonflora.org/oregonphotogallery.html. This site has lists of the taxa which the Flora Project has images of, and taxa for which we have none. Take these lists on your next outing, and see how many plants that you photograph may be just what the Photo Gallery needs!

Friends of the Oregon Flora Project, P.O. Box 402, Corvallis, OR 97339-0402

A Little Help From Our Friends

The fall fundraising season upon us—and you can help. Not only with money, although that's always appreciated—but with good will. NPSO is a member of Earth Share of Oregon (ESOR), a nonprofit organization that raises funds for 66 environmental groups through workplace giving campaigns in over 75 businesses and public agencies in Oregon. Is there an Earth Share campaign where you work?

This is a great opportunity for NPSO to reach out to new audiences and potential supporters. How can you help? By expressing your support for Earth Share in small ways at your workplace.

Earth Share is looking for people who would be willing to:

- Hang up a few beautiful ESOR posters
- Keep ESOR brochures at your desk as a resource
- Send an informational email to your friends reminding them that the campaign has started
- Inform co-workers about ESOR volunteer opportunities

One of the most powerful things you can do to support conservation work across the state is to increase the circle of ESOR supporters at your own workplace. If you'd be willing to help in these simple ways, or if you have your own ideas for increasing the success of ESOR's campaign in your workplace, please contact Patty Lyons, ESOR Campaign Director at 503-223-9015, pal@earthshare-oregon.org or visit www.earthshare-oregon.org.

Highlights of the Quarterly State Board Meeting, June 27 in La Grande

by Leslie Rossmell, Secretary

Many thanks to the impressive joint effort of the Blue Mountain and Wm Cusick chapters for organizing this year's Annual Meeting and hosting the Board meeting in La Grande. The meeting was well attended, with many new faces and board officers. Meeting activities and reports are briefly noted here. Please contact Leslie Rossmell to request draft minutes for a complete report.

Trudy Toliver, Executive Director of EarthShare of Oregon (ESOR), kicked off the meeting with a presentation and question and answer session about ESOR and NPSO roles. Trudy outlined the many ways we can increase contributions to NPSO, such as members' making presentations to participating employers. We are grateful for Rhoda Love, Bruce Newhouse and Linda Hardison for making regular presentations at ESOR events. Shane Latimer, ESOR liaison, pointed out that NPSO benefits from several generous ESOR donors who have earmarked NPSO. Such donors have increased each year. According to Dan Luoma, about 14% of our unrestricted budget is from ESOR. Shane Latimer has served as our ESOR liaison for several years and is seeking a replacement. For details please contact Shane at slatimer@jsanet.com.

Les Helgeson has volunteered to be chairperson of the Legislative Committee and Matt Blakeley-Smith has volunteered to promote a Native Plant Awareness Week in Oregon for 2005. Ron Hatt, Umpqua Valley president, proposed creating NPSO membership cards. Vendors could give discounts or donations to members who have membership cards. Ron will work with Clay Gautier, the membership committee chairperson, to establish a process and ground rules for distributing membership cards. Clay Gautier reported membership is up by 50. In April, NPSO received a record number of field research grant proposals. Dan Luoma reported several chapters donated

over \$3000 to support four more research projects beyond our budget.

Darlene Southworth, West Side Conservation Chair, drafted a letter of concern for NPSO Board and Chapters regarding Oregon Department of Fish and Wildlife's plan to reintroduce mountain goats into the Columbia River Gorge. Darlene works with chapters on specific issues in local areas to coordinate and assist in a concerted NPSO response. Members receiving the NPSO listserv have appreciated Darlene's conservation e-mail notices and requests in the past few months.

Rhoda Love received responses to NPSO petitions to protect Henderson's Checkermallow, *Sidalcea hendersonii*, in Oregon. The Oregon Department of Agriculture (ODA) Plant Conservation Biology Program stated the NPSO petition "presents sufficient scientific and related evidence to justify a full status review." A similar petition to U.S. Fish and Wildlife Service (USFWS); received a less positive reply. The USFWS anticipates making an initial finding in Fiscal Year 2005 as to whether the petition warrants action. Summer field work includes surveys in Oregon and Washington, reintroductions, and potential habitat purchases by The McKenzie River Trust of Eugene.

Linda Hardison, Friends of the Oregon Flora Project, will work with the OSU Foundation on a challenge grant program this winter for the Oregon Flora Project. We hope to secure a major donor for matching funds! Scott Sundberg and his team at the Oregon Flora Project continue to add data to the Atlas database in preparation for public release of the Atlas mapping program. Launching of images in a photo gallery is slated for the end of year.

Cindy Roché received rave reviews for the latest *Kalmiopsis*, a special theme issue of Oregon Plants, Oregon Places. The issue was a partnership with the Bureau of Land Management. Consideration of future *Kalmiopsis*

theme issues and partnerships will be taken up at the October board meeting. Rhoda Love is coordinating a possible Occasional Paper by John Christy of the Oregon Natural Heritage Information Center focusing on Oregon botanist Martin Gorman's 1926 flora of the Portland area. A discussion of the interesting contrasts between Portland's present and past flora is also under consideration.

The Strategic Planning Committee has been busy developing an operations handbook for smoother transitions between incoming and outgoing officers and between chapters and the state Board. An Annual Report will be produced this fall for the *Bulletin*, a membership survey is under consideration for 2005 and discussion of a part-time staff position is ongoing. The end goal is to strengthen our organization, increase our activities and influence, and increase membership.

Our chapters reported busy field trip and events season—too numerous to adequately cover here! Watch for the new Annual Report coming this fall for Chapter Highlights!

Eastside Conservation Coordinator Still Needed

We still need a Conservation Coordinator/Chair for the Eastside. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in the position, please contact the president at president@NPSOOregon.org.

Solidago canadensis: a North American Native Plant Invading Europe

By Mark van Kleunen, originally published in *Menziesia*, the newsletter of the Native Plant Society of British Columbia

Most of you will know about the threat that alien invasive plants such as Scotch broom (*Cytisus scoparius*) and ivy (*Hedera helix*) impose to the native flora and ecosystems of British Columbia. However, it might be less generally known that some of the plants that are native here are less innocent than they look and are invading other continents. For example, the yellow monkeyflower (*Mimulus guttatus*) has been introduced as an ornamental species from western North America into eastern North America, New Zealand and Europe. The species has escaped from gardens into natural riparian habitats where it may impede stream flow. In the United Kingdom there has been a fivefold increase in the range of the yellow monkeyflower during the last 20 years (Truscott et al. 2002), showing that this species is on its way to conquering Europe.

The yellow monkeyflower, however, is still relatively innocent when compared to Canadian goldenrod, *Solidago canadensis*. This species was introduced into Europe in the 17th century and is now recognized as one of the most aggressive weeds in Europe. As the story goes, the Canadian goldenrod was first planted in the botanical gardens of London, and from there it was distributed to other botanical gardens and nurseries throughout Europe. Now the species can be found from northern Italy to southern Scandinavia along roadsides and railroads and in old fields, and it still has not reached its potential range. Moreover, the species has also been introduced into Asia and Australia.

Although many species have been introduced from one continent to another, only a small fraction of them have become invasive with disastrous consequences for native ecosystems. It is, however, still unpredictable why some species become invasive and others not. Based on the observation that many invasive species appear to grow

taller in their invasive ranges than in their native ranges, it has been hypothesized that these plants may be so successful because they lack natural herbivores and pathogens in their new ranges (Crawley 1987). This has inspired other people to also introduce natural herbivores and pathogens as biological control agents. Based on this so-called enemy release hypothesis other biologists hypothesized that invasive plants may have undergone evolutionary change in their new range (Blossey and Nötzold 1995). They argued that because natural enemies are absent in the new range, plants there do not need their resistance mechanisms anymore. Moreover, because resistance mechanisms cost resources, plants that lack resistance mechanisms might invest more resources into growth and the production of more offspring. As a consequence plants with low resistance but high growth rates are expected to take over in the new ranges.

I tested this so-called EICA (evolutionary increased competitive ability) hypothesis for the Canadian goldenrod (van Kleunen and Schmid 2003). I grew plants from ten North American (native) and nine European (invasive) populations in a garden in Zurich, Switzerland to test for differences in growth and reproduction. In addition, I also tested for differences in resistance against herbivory. To do this, I simulated herbivory on half of the plants by clipping half of the leaves and by spraying them with the chemical jasmonic acid which induces similar responses in plant as herbivory by insects.

To my surprise, I did not find a higher rate of growth and reproduction for European plants compared to American plants, but that rather the reverse was true. European plants grew less tall and had smaller inflorescences than American plants. Moreover, plants from both continents did not differ in resistance to the simulated herbivory

treatment. The lower growth rate and reproduction of European plants to that of American plants suggests that European plants may have suffered from inbreeding when the population was still small shortly after the species arrived in Europe. This makes it even more remarkable that the Canadian goldenrod is so invasive in Europe. Probably the life history characteristics of the Canadian goldenrod including its tall stature, the production of a large number (> 10,000) of seeds and perennial rhizomes, have pre-destined this species to be a successful invader.

Literature

Blossey, B., and R. Nötzold. 1995.

Evolution of increased competitive ability in invasive nonindigenous plants: a hypothesis. *Journal of Ecology* 83:887–889.

Crawley, M. J. 1987. What makes a community invisable? Pages 429–453 in A. J. Gray, M. J.

Crawley, and P. J. Edwards, editors. Colonization, succession and stability—the 26th symposium of the British Ecological Society held jointly with the Linnean Society of London. Blackwell Scientific Publications, London, UK.

Truscott, A. M., L. Newell, and P. E.

Hulme. 2002. Distribution of monkey flower—*Mimulus guttatus*—along the tributaries of the River Dee, Aberdeenshire. Page 9 in *Abstracts of the British Ecological Society Annual Meeting at the University of York, UK*.

Van Kleunen, M., and B. Schmid.

2003. No evidence for an evolutionary increased competitive ability (EICA) in the invasive plant *Solidago Canadensis*. *Ecology* in press.

Field Trip to Beatty Creek Research Natural Area

by Gail Baker, Science Division, Lane Community College

Having enjoyed the piece on Beatty Creek Research Natural Area (RNA) in the most recent issue of NPSO's journal *Kalmiopsis*, I took a trip with three others to explore the possibility of including this site in my field trip itinerary for spring field botany courses at Lane Community College. On June 16th the landscape was at the tail end of the spring season—obvious from the golden hues of dried grasses, the predominance of fruit on both annuals and perennials, and the spots of pink aggregations of species of “farewell-to-spring,” *Clarkia gracilis*, *C. amoena* and what appeared to be a swarm of intermediates between the two, plus summer-blooming purple *Brodiaea elegans*.

Nonetheless we were able to enjoy many species in fruit and add some plants to the list published in the recent *Kalmiopsis* (2004, 11:54-59). We were also able to get a clearer idea about access to the site and the variety of habitats. The directions for “Visiting Beatty Creek” in *Kalmiopsis* were clear and the “unmarked pullout” seems to be the location from which the photo on page 54 was taken.

Where we had difficulty was the “scramble around and over the rock outcrops.” For us it proved to be a steep hike to the top of the open hillside where the trail seemed to dead-end with no possibility of reaching the Jeffrey pine savanna or exploring the interior of the site. We then followed the Beatty Creek trail until it ended abruptly in a large open camping area. We were able to avoid the abundant poison oak on either side of the trail; however cross-country hiking through this forest is not recommended.

It was nice to see the variety of understory plants along the creek, especially the California bay, *Umbellularia californica*, heavy with fruit. We ate lunch in the shade along Cow Creek



Clarkia amoena

just below the RNA, an area with a rich diversity of plants including a healthy population of *Epipactis gigantea*, (Orchidaceae), and a most amazing display of approximately 15 merganser chicks running up the creek! We recommend incorporating this area within the RNA in the future. Note for other explorers: a mid-May or earlier visit to Beatty Creek might find the flowers in peak bloom. For our next visit we would like to have clearer directions about how to navigate further into the Natural Area.

We found three species to add to the published list. We used both Hitchcock and Jepson to key plants, relying more heavily on Jepson. The following were in flower at the time of our visit. The last two species are introduced.

Clarkia amoena ssp. *huntiana*
Kickxia elatine (in flower & fruit)
Vitis vinifera (identified from its bisexual flowers)



Beatty Creek Research Natural Area

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

DIRECTORS (to 6/2005) Dan Luoma, Michael McKeag, Charlene Simpson (to 6/2006) Jenifer Hutchinson, Larry Scofield, Laura White

PRESIDENT Kelli Van Norman president@NPSOOregon.org, 503-236-8787

IMMEDIATE PAST PRESIDENT Bruce Newhouse 2525 Potter, Eugene, OR 97405; 541-343-23640

VICE PRESIDENT Rhoda Love 393 Fulvue Drive, Eugene, OR 97405-2706; 541-345-6241

SECRETARY Leslie Rossmell secretary@NPSOOregon.org, 503-272-7277

TREASURER Candice Guth 1816 SE 34th Ave., Portland, OR 97214-5033; 503-235-0617

CHAPTER PRESIDENTS

BLUE MOUNTAIN (Pendleton) Jerry Baker 58840 Bar M Lane, Adams, OR 97810-3003; 541-566-2244

CHEAHMILL Marilyn Karbonski P.O. Box 291, Carlton, OR 97111-0291; 503-852-7230

CORVALLIS John Syring 2630 NE Seavy Circle, Corvallis, OR 97330-4236; 541-752-0414

EMERALD (Eugene) Dave Predeek 3127 Kinsrow Ave. Apt. 71, Eugene, OR 97401-8071; 541-345-5531

HIGH DESERT (Bend) Reid Schuller 62615 Stenkamp Road, Bend, OR 97709; 541-317-1901

KLAMATH BASIN Sarah Malaby smalaby@cs.com; 541-884-5703

MID-COLUMBIA Jerry Igo P.O. Box 603, Mosier, OR 97040

NORTH COAST Janet Stahl 9780 Whiskey Creek Rd., Tillamook, OR 97141; 503-842-8708

PORTLAND Mandy Tu 821 SE 14th Ave., Portland, OR 97214; imtu@tnc.org

SISKIYOU Armand Rebischke funk1@charter.net; 541-482-2141

UMPQUA VALLEY (Roseburg) Ron Hatt 878 Bear Pen Lane, Myrtle Creek, OR 97457-9584; 541-863-7024

WILLAMETTE VALLEY (Salem) John Savage 1645 Church St SE, Salem, OR 97302-2908; shirack@open.org; 503-399-8615

WM CUSICK (La Grande) Frazier Nichol c/o Dick Kenton, 1805 U Ave., La Grande, OR 97850; 541-963-7870

STATE COMMITTEE CHAIRS

EDUCATION Jerry Igo P.O. Box 603, Mosier, OR 97040

CONSERVATION, EAST SIDE Position vacant

CONSERVATION, WEST SIDE Darlene Southworth 866 Blaine St., Ashland, OR 97520; 541-261-3775; southworth@sou.edu

LEGISLATIVE Position vacant

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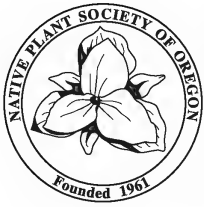
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Valley of the Giants

by Susan Aldrich-Markham, Cheahmill chapter

The Cheahmill (McMinnville) and the Corvallis chapters combined for a field trip on May 23, 2004, to Valley of the Giants. This is a BLM Outstanding Natural Area of ancient forest in the Coast Range, near the source of the north fork of the Siletz River. Some of the Douglas firs and western hemlocks are 400-450 years old and more than 20 feet in circumference. Trees this large were unusual even in the pre-settlement era because the Coast Range was periodically devastated by large fires. Also, the Valley of the Giants is one of the wettest places in the state, with up to 300 inches of rainfall per year.

The good news is that Valley of the Giants is not much visited. As a result, this 51-acre parcel has remained pristine and free of non-native plants. The bad news is the reason it is so rarely visited is that it's so hard to get to. While VOG lies only 14 miles as the crow flies west of Falls City, the unpaved road is 31 miles, circuitous and rough, and takes over an hour to drive. It passes through privately-owned industrial timber land with active logging operations. There are numerous other roads to get lost on if you do not have a very good map. Visiting VOG on a weekday, when log trucks are likely to be using the roads, is not recommended.

One highlight of the field trip was just outside VOG along the road. This was a huge wet rock face, covered with tiny water-loving plants, including common monkey flower (*Mimulus guttatus*), small-flowered alum root (*Heuchera micrantha*), columbine (*Aquilegia formosa*), *Montia parvifolia* var. *parvifolia*, and *Romanzoffia californica*. Hiking the 1.3 mile loop trail inside the VOG gave us a rare glimpse of a western Oregon forest relatively untouched by humans—an experience well worth the day's drive.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 9

OCTOBER 2004

Summer Intern Report

Habitat Variation and Experimental Management of Kincaid's Lupine

by Melanie Barnes

The following is the last in our latest series of articles in which NPSO/Institute for Applied Ecology interns discuss their activities during the 2003 field season. Interns participated in monitoring, restoration and other research projects conducted by IAE staff throughout Oregon during the past summer. These projects focused primarily on threatened and endangered plant species and invasive weeds in the Siskiyou, coastal areas, the Cascades, and the Willamette Valley. In this article, Melanie Barnes discusses our efforts in collaboration with the BLM Roseburg and Eugene Districts to survey and monitor populations of Kincaid's lupine and evaluate mowing as a habitat management tool. For more information on internship opportunities, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*) is native to western Oregon and southwest Washington and is primarily located in the Willamette Valley. It is the principal larval host plant for Fender's blue butterfly (*Icaricia icarioides fenderi*). Both species are under the protection of the Endangered Species Act, with Kincaid's lupine listed as threatened and Fender's blue butterfly as endangered and both are the focus of active conservation research. Here I will discuss two areas in which our knowledge of Kincaid's lupine has been expanded in the past year. First, new populations of Kincaid's lupine have been located in Douglas County, Oregon, in habitat that is not typical for the species, expanding our knowledge of the species' habitat requirements and the importance of changing site management. Second, I will review the second year of results of an ongoing experiment in the Willamette Valley testing the effectiveness of mowing as a management strategy for invasive species reduction and its impact on the abundance of Kincaid's lupine and Fender's blue butterfly.

New Habitat

The range of Kincaid's lupine is from Douglas County, Oregon to Lewis County, Washington, with most populations occurring in the Willamette Valley from Lane to Marion counties. During the first week of my IAE internship I helped with plot establishment for monitoring of three populations in Douglas County on lands managed by the Roseburg District, BLM, one of which was recently found by BLM botanists. I then spent several weeks surveying for new lupine populations in the Umpqua Valley with Carolyn Menke, IAE staff conservation biologist. We were fortunate to find a new population of Kincaid's lupine, which is now the largest known population in Douglas County, with more inflorescences than the other three local populations combined.

Though finding a new population of a threatened plant on public land is very exciting on its own, we were perplexed by the unusual habitat type in which the lupine occurs in most Douglas County populations. Typical

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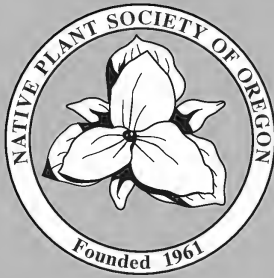
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Native Plant Society of Oregon

World Wide Web

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E-mail Discussion List

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Eugene, OR 97440
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Native Plant Appreciation Week: Building the Foundation

by Matt Blakeley-Smith with help from the Washington Native Plant Society

In May of 2004, the Washington Native Plant Society kicked off their first-ever Native Plant Appreciation Week. Wouldn't it be great if the NPSO joined in and sponsored a similar event in May 2005? I am volunteering to coordinate such an effort, but I will need the help of all the chapters.

Native Plant Appreciation Week (NPAW) will be a fantastic opportunity to celebrate Oregon's diverse flora as well as an occasion to educate the public and extend the NPSO mission of enjoying, conserving, and studying Oregon's natural vegetation to a wide audience.

Native Plant Appreciation Week will be designed to allow NPSO members, chapters and other organizations to get involved to whatever degree they can. It can range from highlighting your work on the website to organizing events such as native plant walks, native plant sales, public presentations or tours of restoration projects and native plant gardens. We do many of these

things already, but the idea is to have a statewide publicized event which reaches out to more people than just the NPSO membership. It also encourages government, non-profit and private organizations to share their botanical knowledge with the public.

At this time I would like to ask that each of the chapters discuss this proposal at their next meeting. If there is sufficient interest, then it would be great if each chapter could recruit a volunteer to be an NPAW chapter coordinator. That person would be in charge of communicating the chapter's plans with the state coordinator. On the state level we may need a publicity coordinator, a web master, an artist, and more!

If you have any suggestions or are interested in getting involved in the planning process please contact me at mattbs@peak.org or 541-753-3099. By next month I should have a much more detailed NPAW strategic plan, so keep posted for updates!



Ranunculus flammula is a late-blooming buttercup which prefers to grow in mudflats. These were at peak bloom in late August along the muddy edge of the larger of the beautiful Twin Lakes in eastern Douglas County.

TANYA HARVEY

State

October 16, Saturday, 10:00 am

Board Meeting: The Siskiyou chapter will host the fall board meeting in Ashland. The meeting will be held from 10:00 am to 2:00 pm in Room 171 of the Science Building on the Southern Oregon University campus. To reach the Science Building turn south (uphill) onto Mountain Avenue from Siskiyou Blvd. at the northwest corner of the campus. After two long blocks turn left at the stop sign onto Ashland Street. Go two short blocks to the Science Building, on your right and the first campus building you will come to. On a Saturday there will be ample street parking at the west end of the building. Do not park in the parking lot in front of the building. That is reserved at all times for permit holders.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

October 28, Thursday, 7:00 pm

Meeting: Northwest Alpines. Wilbur Bluhm, Professor emeritus Oregon State University Extension Service and Horticultural Consultant in Salem, will open the program with a discussion of the characteristics of alpine and sub-alpine mountain zones. Mr. Bluhm will then focus on specific PNW alpine plants, some of which have gardening potential. Carnegie Room, McMinnville Library 225 NW Adams St. McMinnville. For more info contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

November 18, Thursday, 7:00 pm

Meeting: Oregon Flora Project Update. Linda Hardison, who earned a PhD in Botany from the University of Washington and is currently serving as

Chairperson of the Friends of the Oregon Flora Project, will bring us all up to speed with an update on the project and its goals. Carnegie Room, McMinnville Library, 225 NW Adams St. McMinnville. For more info contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

Date To Be Announced

Field Trip: Mushroom Walk. Dr. Jack Murphy of Linfield College will lead a mushroom walk at Charles Metsker Park, just northwest of McMinnville. This is a rain-or-shine event, and does not require pre-registration. Just show up at Murdock Hall on the Linfield Campus in McMinnville by the

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

9:00 am departure time. We will collect fungi at the park and have an informal identification session under cover at about noon. Bring a picnic basket and waxed paper for your mushrooms. For info contact Susan Williams at 503-538-1865 or helgesusan@comcast.net.

Corvallis

October 11, Monday, 7:30 pm

Meeting: The Current Status of the Oregon Flora Project. Linda Hardison, Chair of the Friends of the Oregon Flora Project Committee, will be updating us on the progress of the Oregon Flora Project. Come see the many new exciting advances and learn what new tools have been made available to the public. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

Emerald

October 2, Saturday, 8:00 am

Field Trip: Moss and Lichen ID at Coast. Rob Weiss and Dave Wagner will lead a 4 mile tour through shore pine forest at Sutton Creek to study rare species such as *Limbella fryei* and *Leioderma solediatum*. Bring hand lens, lunch and boots. Meet at 8:00 am at South Eugene High School or at 10:00 am at the FM-Fuel Stop at Fred Meyers in Florence. Northwest Forest Pass required. For more information contact Rob Weiss at 541-563-3947 or Dave Wagner at 541-344-3327.

October 25, Monday, 7:30 pm

Meeting: Hanging on to existence in the Willamette Valley—a relict population of the Great Copper. Paul Severns (Oregon State University, Department of Botany and Plant Pathology) will tell us about a population of Great Coppers that was found this summer in the West Eugene wetlands. The Great Copper is a gray butterfly that inhabits drier riparian habitats

and grasslands throughout California. In Oregon, extant populations of Great Coppers are known from the Siskiyou Mountains and the Cascade-Siskiyou National Monument, but Willamette Valley populations were thought to be extinct. Paul's talk will include the habitat requirements, flight period, and life history of this butterfly. Room 115, Science Building, Lane Community College, 4000 30th Avenue East, Eugene.

November 22, Monday, 7:30 pm

Meeting: Mysteries of the Monotropeae Revisited—20 Years of Demystification. Dan Luoma (Assistant Professor, Senior Research in the Department of Forest Science at Oregon State University) will introduce us to the Monotropeae, a subfamily within the Ericaceae (Heath family). Members of this subfamily lack chlorophyll and are dependent on

fungi for their nutrition. Dan will integrate wildflower and mushroom natural history through discussion of nutritional and physical symbioses in the Monotropeae. He will also summarize recent literature on the genetic relationships of Monotropeae species. Forum Building, Room 308, Lane Community College, 4000 30th Avenue East, Eugene.

High Desert

For information on the High Desert Chapter contact Reid Schuller at 541-317-1901.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

October 6, Wednesday, 7:30 pm

Meeting: Rowena Crest Quarry Restoration. Learn about the nuts and bolts of a quarry restoration with site specific native oregon plants. Mike Igo will present the various issues involved in this project that is set to begin in September 2004. The *Dalles Chronicle* Meeting Room, 317 East Third St., The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jj@s@oregoncoast.com.

Portland

For information on the Portland Chapter contact Mandy Tu at imtu@tnc.org.

Siskiyou

October 21, Thursday, 7:30 pm

Meeting: Mycorrhizae of *Cypripedium fasciculatum*. The orchid family has a special relationship with mycorrhizal fungi. Which fungi are associated with the rare orchid Cluster lady slipper, *Cypripedium fasciculatum*, found in southwestern Oregon? Henry Whitridge will share research from his OSU Master's thesis, revealing that *C. fasciculatum* harbors some unexpected fungi in its roots. DNA analysis, indicate that some of these same fungi also are found in the rhizomes of non-photosynthetic orchids such as *Corallorhiza* spp. The evidence from this research suggests that *Cypripedium fasciculatum* is involved in a complex three-way symbiosis with fungi and trees, allowing this green orchid to siphon energy from nearby trees to supplement photosynthesis in low light environments. The Plant Family of the Month returns to our chapter: welcome Violaceae. Room 171, SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

Friends of the Oregon Flora Project



www.oregonflora.org

The Oregon Flora Project is ten years old! In 1994, Scott Sundberg organized a group of botanists to assemble a checklist of our state's plants and begin work on a new flora of Oregon. Since that time, the Oregon Flora Project has blossomed to envision on-line versions of the checklist and flora, as well as create an atlas of plant distributions and a photo gallery. Among our accomplishments are ten years of publishing the Oregon Flora Newsletter, and the current support of five staff members. Next month we anticipate the public release of the Atlas

mapping program (www.oregonflora.org/oregonplantatlas.html), which will feature thousands of new and edited records.

This autumn, we will have a challenge drive to raise funds in support of the Oregon Flora Project. We hope you will take this opportunity to acknowledge with a generous contribution the years of work given by dedicated volunteers and staff to make this botanical resource a reality. Details of the challenge will be posted in upcoming Bulletins.

Please make checks payable to NPSO, attn. Friends of the OFP, and mail to: Friends of the Oregon Flora Project, P.O. Box 402, Corvallis, OR 97339-0402.

November 18, Thursday, 7:30 pm

Meeting: What Are the Potential Impacts of Future Climate Change on Vegetation in the Pacific Northwest?

Dr. Sarah Shafer, from the USGS Earth Surface Processes Team, will summarize some of the projections of future climate changes for the Pacific Northwest. She'll discuss potential effects these changes may have on vegetation and on conservation and natural resource management activities in the region. Room 171, SOU Science Building, Ashland. For more info, contact Cynthia Maclaren, 541-482-0899.

Umpqua Valley

For information on the Umpqua Valley Chapter call Ron Hatt at 541-863-7024.

Willamette Valley

October 18, Monday, 7:00 pm

Meeting: Identifying and Eradicating Invasive Weeds.

Scott Eden of the Marion Soil and Water Conservation District will discuss how to identify and eradicate invasive weeds. The talk will be on October 18, from 7:00 to 8:00 pm at the Straub Environmental Learning Center, 1320 A Street NE, Salem (right next to Olinger Pool). Free and open to the public. For more information, contact John Savage at 503-399-8615.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Joyce Beeman

Joyce Beeman died August 14, 2004, at age 92. Ms. Beeman was born June, 19, 1912, in Dallas, Texas. She moved in 1953 to Portland and Tigard, Oregon and was a medical technologist for OHSU for 25 years. Joyce was active in the Native Plant Society of Oregon for many years doing *Bulletin* mailings, collecting and helping arrange flowers for chapter plant shows, and leading field trips. She also belonged to other conservation and outdoor groups. Survivors include her longtime friend, Sara Barnum; two nephews and a niece. Her friends are making contributions to the Oregon Flora Project in her memory.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The **"Atlas of Oregon Carex"** was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Naturescaping for Clean Rivers October 3, Sunday, 1 - 5 pm

When you garden with native plants, natural landscapes, and water-friendly gardening, you need less water, fewer chemicals, and less time doing maintenance. This is good for you, your garden, beneficial wildlife and the environment. You'll receive a free workbook and native plant to take home. Rain or shine, we'll be going outside to study plants along BBG's Native Plant Trail. To register, call 503-797-1842 or e-mail naturescaping@yahoo.com Free!

Cordage, Netting and Natural Dyes October 16 - 17, Sat & Sun, 10-4 pm

On day one, you'll first discover the plants, like dogbane, milkweed, cedar and stinging nettle, that can be used to make cords and learn the techniques for how to do so from a knowledgeable ethnobotanist. Next, we will learn 2 styles of netting for making useful bags and look at a collection of net bags from around the world. On day two, you'll learn about plants, lichens and fungi that produce colorful dyes on wool and plant fibers. We will have some dye pots going to make samplers and learn about many more ways to produce a whole spectrum of colorful threads. \$125 (\$100 BBG Members).

Fabulous Water-Wise Gardens October 31, Sunday, 1-4pm

Save water by planting in zones, mulching, watering with efficiency and establishing new plantings for greatest success. A hands-on exercise, plant lists, and tons of information will help you become wiser in your water usage. \$15 (\$12 BBG Members).

Restoration Workshop at Oregon Garden

October 7, Thursday, 8am - 4pm, the Oregon Garden, Silverton

We have a new program at the Oregon Garden, in cooperation with Oregon State University and NRCS! The Sustainable Plant Research and Outreach Center—SPROUT for short. SPROUT is dedicated to developing and encouraging the use of plant material to address environmental concerns.

We need your expertise! We want to invite you to our first workshop. The \$35 registration fee covers continental breakfast, lunch, all printed SPROUT materials, including CD with research database and literature review, and optional specialty tours of the Oregon Garden. We have a great line-up of "Resource Assistants"—local experts who will lead the discussion sessions in the afternoon. Our Keynote Speaker will be Sara Cooke! She is a Professional Wetland Scientist and has worked at many consulting firms in the Northwest since 1986. She is the principal author and editor of *A Field Guide to the Common Wetland Plants of*

Western Washington and Northwestern Oregon. Currently her wetlands work emphasizes restoration ecology. For more information or to register contact Renee Stoops, Research and Wetlands Coordinator at The Oregon Garden, at 503-874-8268 or rstoops@oregongarden.org.

North Mountain Park Nature Center Event

Trees for All Seasons

October 23, Saturday, 2 - 4 pm

The Ashland Tree Commission is sponsoring a 2-hour Tree Walk. Plan to meet at Lithia Park and spend the afternoon strolling through the park looking at and learning about specimen trees. \$3/person or \$10/person with recommended Ashland Street Tree Guide. To register please call the Nature Center at 541-488-6606 or visit our online registration site at ashlandparks.recware.com.

Siskiyou Field Institute Event

**Wild Salmon, Wild Rivers Weekend
October 22 - 24, Cave Junction**

Co-sponsored by the Oregon Caves National Monument and Chateau, participants will stay at the OR Caves Chateau, and venture out by day to watch the salmon spawn along the Illinois River, and learn about the region's network of wild rivers, old-growth forests, and their many inhabitants. There's even some wine tasting Saturday afternoon! Fee includes lodging and meals. Special registration required. \$379/couple or \$255/single.

For more information or to register for courses check the Siskiyou Field Institute website www.siskiyou.org/sfi or contact SFI at 541-592-4459.

Attention All Gardeners!

Don't Miss The Tualatin Hills Park and Recreation District's

**Tualatin Hills Nature Park's
Native Plant Sale
October 9, Saturday, 10 - 2 pm**

15655 SW Millikan Blvd., Beaverton
503-629-6350; www.thprd.org

Select from a wide variety of trees, shrubs and flowering plants in all price ranges for every spot in your garden! Other activities include a Native Plant Class and Walk. Once established, Native plants need little care and water! All proceeds go toward future park improvements.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Mushrooming on the Mountain October 2, Saturday, 10 am - 4 pm at EPUD building

October 3, Sunday, 10 am - 4 pm at Mount Pisgah Arboretum

This intensive class for beginning mushroomers offers instruction and identification, picking, cooking, ecology, folklore and more! Maggie Rogers of the Oregon Mycological Society will lead the class with slide shows, interactive demonstrations, discussion, and field identification. A mushroom hunt will follow Maggie's presentation, and participants will cook and taste the fantastic fungi. Pre-registration required. Fee: \$60 non-members/ \$50 members.

Medicinal Herbs Walk

October 9, Saturday, 11 am - 1 pm

Learn the world of northwest medicinal herbs with experienced herbalist Sherri Brown. She will explore the medicinal properties, traditional uses and ecology of the herbs of the Southern Willamette Valley found on your walk. Meet at the visitor's center rain or shine. \$3 suggested donation/ members free.

The Art of Nature Photography

October 10, Sunday, 1 - 4 pm

October 14, Thursday, 7 - 9 pm

David Stone, professional photographer and LCC photography instructor, teaches this class for beginning and intermediate nature photographers. The first session focuses on instruction in composition and field photography, the second allows for discussion of your work. Film and digital cameras welcome. Pre-registration required. Fee: \$25/ \$20 members.

Elder Walk

October 17, Sunday, 2 - 4 pm

Knowledgeable nature guide Tom Bettman will lead you on a autumn walk along Mount Pisgah's beautiful trails. Meet other nature-loving seniors, and warm up with warm cider and snacks when you return. Suggested donation: \$4. Meet at the visitor's center rain or shine.

Personal Nature Essays

October 23, Saturday, 10 am - 3 pm

October 24, Sunday, 12 - 3 pm

Learn how to capture your relationship with nature in a two-day workshop led by Carol Ann Bassett, nature essayist and writing professor at The University of Oregon. Bassett is author of *Gathering of Stones: Journeys to the Edges of a Changing World*, (A finalist for the Oregon Book award in Creative Nonfiction). Work with other aspiring writers in a beautiful landscape and put your experience on paper. Pre-registration required. Fee: \$45/ \$40 members.

Willamette Valley Fall Ecology Walk

October 24, Sunday, 11 am - 1 pm

Join botanist Dr. Rhoda Love on an autumn hike around the trails of the Arboretum and Howard Buford Park and learn about the ecology and natural history of the Southern Willamette Valley. Use your hand lenses (provided) and binoculars to observe both subtle and more obvious seasonal changes. Bring a snack or lunch. Suggested donation: \$3/ members free.

Mushroom Festival & Plant Sale

October 31, Sunday, 10am-4pm

Co-presented by the Cascade Mycological Society and Lane Community College. Our annual celebration includes one of the largest mushroom displays on the West Coast, a plant sale, a scarecrow contest, children's activities, hayrides, craft vendors, food, music, and more! Suggested donation for non-members: \$5/person, \$10/family.

Willamette National Forest Event

Hackleman Creek Mushroom Hike

October 29, Friday, 9 am

Easy two-mile hike winds through an old-growth grove with trees over 500 years old. This forest is famous for its high diversity of fungi. Meet at Sweet Home Ranger District at 9 am. Bring lunch, water, and possibly raingear; transportation is provided. Fee: \$10.00 (\$5.00 with Golden Age/Access Card). Trip Leader: Botanist Noel Bacheller. To participate contact Joanne West at 541-367-9206. Sign up early as this event is limited to 20 people.

ONRC Events

Hike to Waldo Mountain Lookout

October 17, Sunday

Join Gary Guttormson, longtime activist for the Waldo area, and other Wilderness-lovers for a unique hike to the Waldo Mountain Lookout in the Waldo Lake Wilderness. Hike about 3.2 miles (one way) to spend the afternoon enjoying the spectacular 360° views of the Cascades and Waldo Lake, learning about the history of the fire lookout, and talking Wilderness. Participants should be prepared for a moderately difficult hike, and should bring water and a lunch. For more information and to sign up, call Chandra at 541-344-0675, or cl@onrc.org.

Threatened Wildlands of the Umpqua

November 18, Thursday, 7:00pm

University of Oregon Law School, Eugene, Room TBA. This free slide show is presented by Umpqua Watersheds and Oregon Natural Resources Council will showcase the natural beauty of the Umpqua River Basin and the threats facing the region. Umpqua basin resident Bob Hoehne will present spectacular aerial and on-the-ground photographs of the roadless wild lands of the region, including popular and pristine areas like Last Creek, Mount Bailey, and Twin Lakes. See wild areas affected by the Tiller Complex fires of 2002, old growth forests threatened by logging, and rugged backcountry areas that Umpqua Watersheds and ONRC are fighting to protect. The event is free and open to the public.

Kincaid's Lupine

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habitat of Kincaid's lupine elsewhere in its range is open upland prairie and meadow edges, often near oak trees. Most of the Douglas County populations are in wooded areas dominated by Douglas-fir (*Pseudotsuga menziesii*), madrone (*Arbutus menziesii*), and other trees and shrubs, with canopy cover ranging from 50 to 80%. Several of these sites, including the newest and most abundant population, were located along roads that were either overgrown or still in use. Most of the lupines in these roadside populations occurred right along the roadside and, if the road was unsurfaced and had been closed, in the road as well. In addition, lupines seemed to flower more in areas that received more light. The one known Douglas County population that occurs in a natural oak-bordered meadow receives plenty of light and also had the highest ratio of inflorescences to leaves. What we observed was not surprising given prior knowledge that lupines are generally intolerant of shade (Wilson et al. 2003).

Observing these Kincaid's lupine populations caused us to wonder how it came to occur in such shady areas. It is possible that these sites were once meadows or sparse woods but ecological succession, perhaps spurred by fire suppression, has transformed the habitat to young, dense forests with relatively closed canopies. Perhaps the remaining lupines spread to the nearest area with available sunlight, i.e., roadsides. Evidence from tree-ring studies (including one very close to several Douglas County lupine populations) and historical knowledge indicate that fire suppression on the west slope of the Cascades began around 1926 and intensified after 1950 (Weisberg and Swanson 2003). In addition, there is evidence that the tribes of the Umpqua Valley may have used prescribed burning at wooded elevations as well as in the valley floor (La Lande and Pullen 1999, Boyd 1999). In the Willamette Valley, the well-documented annual burning of prairie by the Kalapuya Indians has been hypothesized to have

maintained the lupine's preferred habitat type in that area. Occasional fires in the Umpqua region historically would likewise have prevented encroachment of trees and shrubs, promoting favorable habitat for Kincaid's lupine.

Roseburg BLM botanist Gary Basham noted that the site where the newest Douglas County lupine population is located had apparently burned in a forest fire 10-15 years ago. This population had a very high proportion of flower stalks. It seems likely that Kincaid's lupine, thought to have once been widespread throughout western Oregon and southwest Washington, has in Douglas County become relegated to populations isolated by encroaching forest and shrub lands that are promoted by fire suppression and other habitat modifications. Continued monitoring of known populations will contribute to our knowledge of habitat effects on Kincaid's lupine. Additional surveys for new populations and tests of management techniques such as thinning or prescribed fire would also be helpful.

Mowing management

One of the threats to Kincaid's lupine populations in many Willamette

Valley locations is encroachment by invasive weeds such as Himalayan blackberry (*Rubus discolor*), Scotch broom (*Cytisus scoparius*), tall oatgrass (*Arrhenatherum elatius*) and meadow knapweed (*Centaurea pratensis*). One such site, Fir Butte (Eugene district BLM), is suffering from a severe infestation of Himalayan blackberry. The Institute for Applied Ecology and Eugene District, BLM, have initiated an experiment at this site to test the effectiveness of mowing as a control for invasive species, especially blackberry, and its impact on Kincaid's lupine and Fender's blue butterfly populations (Kaye and Cramer 2003). Plots were established in 1998 and baseline monitoring data were collected for four years before fall mowing treatments were applied in 2001 and 2002. Treatments include mowing once a year, mowing every other year, and, in the future, burning. These treatments will provide information about the level of intensity of mowing required to control the growth of blackberry, and the response of all species to fire.

Preliminary results after two years of mowing treatments indicate that mowing significantly reduces the cover



Kincaid's lupine in plots mowed to control blackberry (left) have more leaves, flower stalks and Fender's blue butterfly eggs than those in unmowed plots (right).

RHODA LOVE

of blackberry and mowing, especially annually, increased the number of lupine leaves and inflorescences. In addition, mowing also has a positive influence on the abundance of Fender's blue butterfly eggs (which are laid on the lupine leaves), possibly by making the lupines easier for butterflies to find. This preliminary data indicates that mowing appears to be an effective management strategy for invasive species abatement and does not have an adverse affect on Kincaid's lupine or Fender's blue butterfly.

Other investigators have found that reducing shrub and tree cover is beneficial to growth of *Lupinus perennis*, a lupine native to the Midwestern U.S. that is the sole larval host for the endangered Karner's blue butterfly (*Lycaeides melissa samuelis*) (Smallidge et al. 1996). In addition, *L. perennis* has been found to respond favorably to soil disturbances and is more prevalent in open canopy areas (Smith et al. 2002). Habitat for Kincaid's lupine should likewise be managed to plan for controlled disturbance as needed to maintain open habitat.

The newly located Kincaid's lupine population in Douglas County and the potential of mowing as a management tool are both encouraging developments for the recovery of this threatened species as well as its endangered butterfly. However, both still face the threat of population losses because many populations occur on private land and are not protected. Meanwhile, it is important that publicly-owned populations are monitored and managed to maintain favorable habitat for Kincaid's lupine and Fender's blue butterfly.

My sincere thanks to the Roseburg and Eugene BLM Districts for their cooperation and funding of this ongoing research. I would also like to thank NPSO and IAE for a great summer full of botany.

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Conservation biology interns monitoring Kincaid's lupine along a forest road in Douglas County.

TOM KAYE

Oregon Collectors: People and Plants

by Kate Norman, Oregon State University

I'm a devout lover of science; it always seems to make sense, it's clean-cut and straightforward. I'll take the citric acid cycle over a sonnet any day. Long, long ago, when I was young and foolish (age 20), I believed that science was untainted; a pure pursuit of knowledge. After all, isn't science the truth? The 100% absolute, no-doubt-about-it factual interpretation of life? Umm, no. Science is a human endeavor. As such, it is subject to all the vice, prejudice, and self-interest normally associated with our species. That doesn't make science invalid, of course, but it does accentuate the need to understand the scientists behind the studies.

Botany is a science; specimen collection a study. Therefore, when Aaron Liston approached me 12 months ago and suggested researching collectors who had contributed to the three herbaria contained at Oregon State University (OSC, ORE, and WILLU), I was more than a little enthusiastic. I was not exactly certain the types of individuals I would encounter in my research, but knowing scientists (and, moreover, botanists), I had a feeling there would be some rather quirky folks in the lot.

Before the research of individuals began, I worked with Ann Willyard to create a database to house our findings. Then, working with already established herbarium databases (such as New York Botanic Garden, Harvard, and Berkeley), I began to flesh out the mysterious names on our collection labels. Initials became names, birth and death years were discovered, and small tidbits of biographic information began to filter down.

Once I reached a place where my collector names seemed to be unique, I began to search through old herbarium records, clippings from newspapers, appendices of floras, and a number of other written sources. My hopes for encountering some "characters" were fully realized. Amos Arthur Heller stands out as one of the people I wish I could have met. He was reputedly a splitter,

"species crazy" according to P.B. Kennedy. In addition, he was a territorial sort, reportedly scaring off a fellow botanist who was planning to complete a monograph of *Lupinus*.

In addition to written records, I was able to conduct interviews with Aaron Liston, Kenton Chambers, Richard Halse, Rhoda Love, and LaRea Johnston. The interviews were, without a doubt, the most enjoyable portion of my research. In sitting with these botanists, I learned a great deal about the collectors in my database. In many cases, I was talking with friends or relatives of the collectors and the stories I heard told me volumes more than any biography. I learned about romantic intrigues, youthful rebellions, and the web of friendships that brought anonymous collector names to life.

Through the past year, my understanding and appreciation for the OSU Herbarium has grown. I realize how talented and varied the collectors can be; from school teachers to artists and even poets. Currently we have obtained

biographic information for 1100 collectors. These individuals represent only a third of the many collectors who have shaped the OSU Herbarium. A list of collectors and their biographies is available online via the Oregon State University Herbarium website, <http://oregonstate.edu/dept/botany/herbarium/collectors>. Additions and corrections are welcome and appreciated; please contact Dr. Aaron Liston lista@science.oregonstate.edu.

Acknowledgements

Special thanks to Aaron Liston for all of his help and guidance; also to Kenton Chambers, Richard Halse, Rhoda Love, and LaRea Johnston for their interviews. Thanks to Ann Willyard and Thea Cook for assistance with the database; and a very warm thanks to all the collectors who responded to my requests for information. Financial support was provided by a Research Experience for Undergraduates supplement to National Science Foundation grant BRC-0237459.

Support Ballot Measure 34—The Tillamook Rainforest Initiative

by Peggy Robinson, Emerald Chapter

This important initiative would require balancing, as equally beneficial, conservation/preservation and timber production in the coastal Tillamook and Clatsop State Forests. On half of the land, native old-growth forest would be restored for the primary purposes of clean water, healthy fish and wildlife, and recreation.

The initiative presents a balanced plan because the other 50% of this very productive tree growing land would still be available for sustainable logging. According to one study, the 50/50 Plan would actually result in net fiscal gains for Tillamook and Clatsop Counties because lost timber revenues would be eclipsed by economic gains resulting from forest protection.

These forests deserve protection as the largest remaining expanse of unprotected coastal temperate rainforest in the lower 48 states. But if this initiative fails, under the current plan, as much as 85% of these forests will be logged over the next 30 years.

The NPSO Board has voted to support the Tillamook Rainforest Initiative, and I urge all members to vote for it. For more detailed information, go to: www.Tillamook5050.org.

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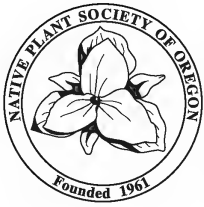
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Endangered Species Act Threatened

by Rhoda M. Love, Vice President. This article appeared as a letter to the editor in the Eugene Register-Guard on August 29, 2004

I commend the *Eugene Register-Guard* for its fine July 26 editorial defending our federal Endangered Species Act and deploring recent moves in the US Congress to weaken the Act and impede its implementation. The editorial correctly pointed out that under the present Administration the pace of listing rare species has dropped to around 15% of what it was under previous administrations. Sadly, plants and animals are in danger of disappearing at an ever-increasing rate, yet Oregon Congressman Greg Walden has recently introduced a bill which would further interfere with the protection of vanishing species.

As a botanist I am most familiar with the flowers that are disappearing here in western Oregon. Willamette

Valley pioneers of the 1840s described glorious fields of native grasses and brightly colored wildflowers standing as tall as the belly of a horse beneath spreading oak trees. Now we must visit the few remaining natural areas to see the remnants of this botanical abundance.

Three of the lovely flowers of our area that have been listed by the federal government as rare, but are still awaiting the designation of critical habitat, are Willamette daisy, Bradshaw's desert parsley, and Kincaid's lupine. The latter is the food source for the equally endangered Fender's blue butterfly. Other rare local flowers which are awaiting listing are Hitchcock's blue-eyed grass, peacock larkspur, wayside aster, and pink sand verbena. The

gorgeous seaside flower, Henderson's checkermallow, has disappeared from nine-tenths of its habitat in Oregon, but has not yet been considered for listing by the federal government. Visit Emerald Chapter's website for more information on rare plants: www.EmeraldNPSO.org.

It is a shame that Oregon's Representative Walden has chosen not to follow in the footsteps of former Republican Senators Robert Packwood and Mark Hatfield who championed federal protection for endangered plants and animals, and were proud architects of our nation's Endangered Species Act. Readers are urged to contact Representative Walden at 202-225-6730 to protest his attempt to weaken protection for our rare and endangered species.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 10

NOVEMBER 2004

Summer Intern Report

The Ecology and Demography of a Rare Woodland Orchid, *Cypripedium fasciculatum*

By Cara Benfield

The following is the first in a series of three articles in which NPSO/Institute for Applied Ecology (IAE) interns discuss their activities during the 2004 field season. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon during the past summer. In this article, Cara Benfield discusses our efforts in collaboration with the Medford District BLM to evaluate population status and demographic trends in a rare forest-dwelling orchid. For more information on internship opportunities, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

What is known about the rare clustered lady's slipper?

Immediately following my appointment as an NPSO/IAE summer intern, I left civilization behind and entered the forest, joining population monitoring teams led by IAE Botanist Karin Rohland. *Cypripedium fasciculatum* Kellogg ex S. Watson, commonly known as clustered lady's slipper, is one of three *Cypripedium* species endemic to western North America. This woodland orchid occurs in small, scattered populations throughout the Cascade Range in Washington and Oregon, extending south to California's Santa Cruz Mountains, and east into the Rocky Mountains of Idaho, Montana, Colorado, Wyoming, and Utah. In Oregon, *C. fasciculatum* is typically found in association with older, closed-canopy Douglas-fir forests on moist stream terraces or dry rocky slopes, from 330 m to 1745 m elevation. This shady habitat is frequently shared with other understory plants like sword fern, Oregon grape, dogwood, hazel, and poison oak (Seevers and Lang 1998).

Cypripedium fasciculatum is unique

among lady's slipper orchids because of its short stature, two opposite, oblong-elliptic leaves that are sessile to a hairy stem, and a tight cluster of flowers, each subtended by a bract. The downward-drooping flowers, which are no bigger than a 50-cent piece, have greenish lanceolate-acuminate petals and sepals that are heavily striped or mottled in purple. They hang loosely over the engorged greenish-yellow labellum, which is marked with brownish-purple strokes at its margin, forming the namesake lady's slipper.

While this species' range does not seem narrowly limited by elevation, soil type, or plant community, *C. fasciculatum* may be locally restricted by specific microhabitat factors. This orchid seems to prefer high canopy shading of 60 to 100% cover (Knecht 1996), and requires a mycorrhizal symbiont for seed germination and survival to an autotrophic state (Whitridge pers. comm.) It may need a duff layer to provide protection and moisture for its shallow rhizome. Finally, *C. fasciculatum* appears to be altogether intolerant of high intensity fire, and in some cases may

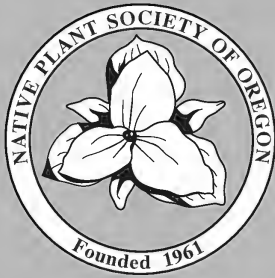
not survive even low-intensity blazes.

Human activities may affect or alter the biotic and environmental conditions that *C. fasciculatum* requires for survival, growth, and development. Because *C. fasciculatum* rhizomes are shallow (3-12 cm deep), physical

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

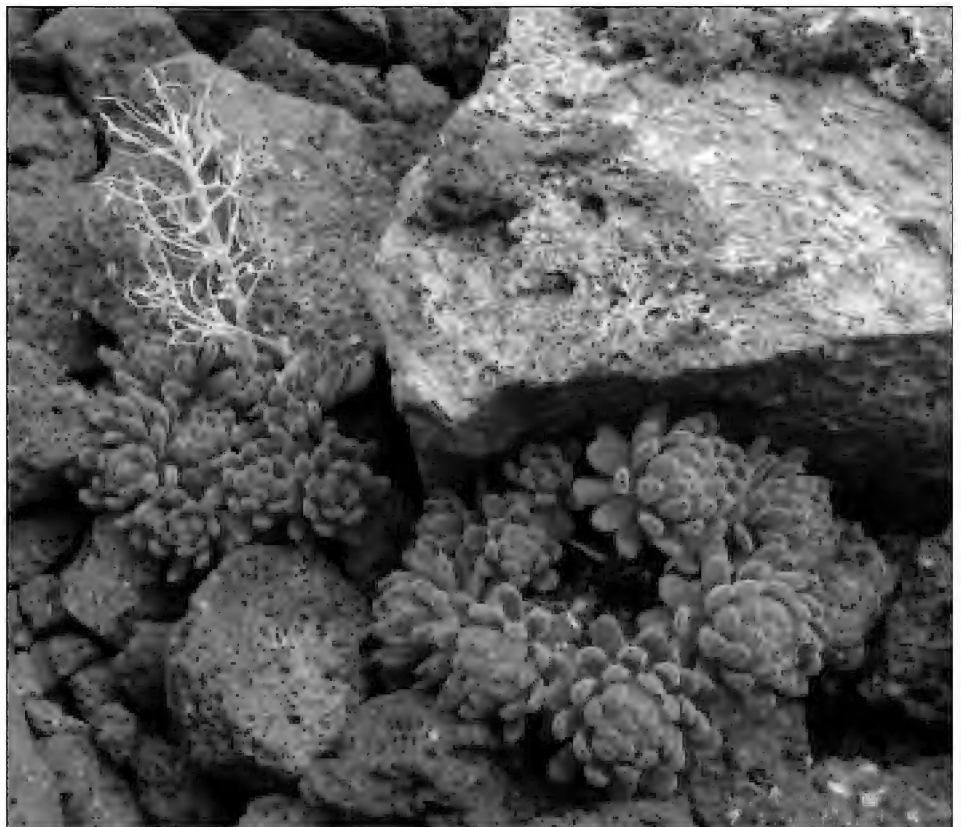
Grant Proposals Requested

The Native Plant Society of Oregon will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from Dan Luoma, Field Research Grants Committee Chair, 3740 NW Harrison Ave., Corvallis, OR 97330. The material may also be obtained at NPSO's World Wide Web site, <http://www.npsoregon.org/comm/FRGC.htm>. Research proposals are due by March 1, 2005.

Great Opportunity to Serve NPSO!

Do you love NPSO? Do you live or work near the Portland area? NPSO is looking for someone to serve as our NPSO representative at EarthShare. What is EarthShare? EarthShare is a federation of leading non-profit environmental and conservation organizations that work to promote environmental education and charitable giving through workplace giving campaigns. NPSO receives a large proportion of its annual income from EarthShare. We need a representative that will attend EarthShare meetings (in Portland) every month. For more information about this opportunity, please contact Shane Latimer at slatimer@jsanet.com.



TANYA HARVEY

Draba aureola is a rare plant of high alpine volcanic areas. Its low stature and pubescent hairs help protect it from the harsh conditions of this habitat. While these lovely rosettes are similar to those of plants in many families, the remains of the seed pods give this away as a member of the mustard family (Brassicaceae).

State

January 22, 2005, Saturday

Board Meeting: The Cheahmill chapter will host the winter board meeting which will be held from 10:00 am to 2:00 pm at the McMinnville Library, 225 NW Adams St., McMinnville.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

November 18, Thursday, 7:00 pm

Meeting: Oregon Flora Project Update. Linda Hardison, Chairperson of the Friends of the Oregon Flora Project, will talk about the goals encompassed by the Project; the progress that has been made toward those goals; and how the data collected for the project can be used by a variety of users. Carnegie Room, McMinnville Library, 225 NW Adams St., McMinnville. For more information contact Susan Williams at helgesusan@comcast.net or 503-538-1865.

November 20, Saturday, 9:00 am

Field Trip: Mushroom Walk. Dr. Jack Murphy of Linfield College will lead a mushroom walk at Charles Metsker Park, just northwest of McMinnville. This is a rain-or-shine, family-friendly event. Children are welcome. No registration required. Meet at the Linfield Ave. entrance to Murdock Hall on the Linfield campus in McMinnville before the 9:00 am departure time. Participants will collect fungi at the park and join in an informal identification session under cover at about noon. Bring a picnic basket and waxed paper for your mushrooms. For more info contact Susan Williams at 503-538-1865 or e-mail helgesusan@comcast.net.

Corvallis

November 7, Sunday, 1:00 pm

Workshop: Propagating Perennials and Shrubs. Loren Russell and Esther McEvoy will lead a propagation workshop at Willamette Gardens, 3290 SW Willamette Avenue, Corvallis from 1:00 - 3:30 pm. Bring gloves, a trowel, clippers and any gallon pots you might have around the house. There will be plenty of native cuttings to take home and grow. Contact Esther McEvoy at 541-754-0893 to register.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

November 8, Monday, 7:30 pm

Meeting: Symbioses of Mushrooms and Truffles with Vascular Plants.

Dr. Dan Luoma will be presenting his research into interactions between kingdoms. This will get us all into the proper fungal frame of mind for Dan's field trip the following weekend. For any information contact John Syring at 541-752-0414.

November 14, Sunday, 8:00 am

Field Trip: Mushrooming to Cascade Head and Vicinity.

Ride out to the coast for a trip led by Dan Luoma during one of the best fungal years in recent history. Corvallis area folks meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 8:00 am. This will be an all day event. For more information contact Dan Luoma at 541-752-8860.

December 4, Saturday, 9:00 am

Workshop Series: The Ferns of Oregon and beyond with Dr. Dave Wagner. Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson manual. Due to physical limitations, class size will be limited to 20 people and participants will be required to have current NPSO memberships (new memberships encouraged). Workshops will be held in 1070 Cordley Hall, OSU campus, enter through northwest door by herb-arium. Register in advance by contacting John Syring at 541-752-0414.

Emerald

November 22, Monday, 7:30 pm

Meeting: Mysteries of the Monotropeae Revisited—20 Years of Demystification. Dan Luoma (Assistant Professor, Senior Research in the Department of Forest Science at Oregon State University) will introduce us to the Monotropeae, a subfamily within the Ericaceae (Heath family). Members of this subfamily lack chlorophyll and are dependent on

fungi for their nutrition. Dan will integrate wildflower and mushroom natural history through discussion of nutritional and physical symbioses in the Monotropoideae. He will also summarize recent literature on the genetic relationships of Monotropoideae species. Forum Building, Room 308, Lane Community College, 4000 30th Avenue East, Eugene.

High Desert

For information on the High Desert Chapter contact Reid Schuller at 541-317-1901.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

November 3, Wednesday, 7:30 pm

Meeting: Invasive Plants of our Region. Updates from Oregon vegetation management conference. Identification of our problem weeds. Jerry Igo speaker. The *Dalles Chronical* Meeting Room, 317 E. 3rd Street, The Dalles.

December 1, Wednesday, 7:30 pm

Meeting: Rare Plants of our Area. Identification of sensitive listed or endemic species in the Mid-Columbia area. Jerry & Michael Igo speakers. The *Dalles Chronical* Meeting Room, 317 E. 3rd Street, The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

November 9, Tuesday, 7:00 pm

Meeting: Native Landscapes at Jackson Bottom Wetlands Preserve. Join Jan Curry from Jackson Bottom Wetlands Preserve for an interactive

presentation regarding the development of native landscapes at the new Wetlands Education Center in Hillsboro. Assist in giving feedback regarding basic interpretive signs that have been developed for the gardens. Help the signage evolve! Use your knowledge to give ideas about native plants that could be included in demonstration gardens such as the reptile garden, pollinator garden, sensory trail, stormwater creek model, vegetated bioswales, arboretum, home landscaping, and bulb garden. Now that should keep us busy! Classroom #134, First United Methodist Church, 1938 SW Jefferson St., Portland. Please note that we are meeting in a **new room!** For more info, contact Jan Curry at 503-681-6283 or janc@ci.hillsboro.or.us.

November 20, Saturday, 9:00 am

Work Party: Remove Ivy from TNC's Camassia Natural Area. The Nature Conservancy's Camassia Natural Area is named for the common camas—historically a highly-valued food source of Pacific Northwest Native Americans—which blooms profusely in April and early May. More than 300 plant species are found on the preserve, including some rare Willamette Valley species. The rare white rock larkspur occurs here and at only six other places in the world. The shallow soils of this rocky plateau support wet meadows, Oregon white oak-madrone woodlands, vernal and permanent ponds, and even a stand of quaking aspen. Come and help remove the invasive English ivy from this unique natural area! Please contact Susan Hawes at 503-230-1221 or shawes@tnc.org if you would like to come. Carpools may be organized.

Siskiyou

November 18, Thursday, 7:30 pm

Meeting: What Are the Potential Impacts of Future Climate Change on Vegetation in the Pacific Northwest? Dr. Sarah Shafer, from the USGS Earth Surface Processes Team, will summarize some of the projections of future climate changes for the Pacific Northwest. She'll discuss potential effects these

changes may have on vegetation and on conservation and natural resource management activities in the region. Room 171, SOU Science Building, Ashland. For more info, contact Cynthia Maclaren, 541-482-0899.

Umpqua Valley

November 11, Thursday, 7:00 pm

Meeting: Vernal Pool Plants of Jackson County. Chapter member Sam Friedman who works for the Oregon Fish & Wildlife Service will give a PowerPoint presentation on vernal pool plants and fairy shrimp along with his recovery plan for endangered species of the large-flowered woolly meadowfoam and Cook's desert parsley. Mercy Education Center, 2459 Stewart Parkway, Roseburg. For more information contact Ron Hatt, at hattr@citlink.net or 541-863-7024.



Four species of ferns cavort under a rock on Tire Mountain in Lane County: Aspidotis densa, Polypodium hesperium, Cystopteris fragilis and Pentagramma triangularis.

TANNA HARVEY

Willamette Valley

November 16, Tuesday, 7:00 pm

Meeting: Lewis and Clark's Flora Discoveries.

Oregon naturalist Jerry Igo will discuss wild flowers and other native plants discovered by Lewis and Clark during their westward expedition. The program, co-sponsored by The Friends of the Straub Environmental Learning Center and the Willamette Chapter of NPSO, will be held from 7:00 to 8:30 pm at the Unitarian Universalist Church, 5090 Center St. NE, Salem. Igo serves as the NPSO's Education Committee Chair and heads the society's Mid-Columbia chapter. He is the historian/naturalist on Lindblad Expeditions' cruise ships on the Snake and Columbia Rivers. Igo has taught botany, biology, and

wilderness skills at Portland and Clark Community Colleges. Free and open to the public. Note: This meeting location is subject to change. Please watch the NPSO web site for location confirmation. For more information contact Sharon Gray at 503-581-0887.

November 18, Thursday, 7:00 pm

Meeting: Wetland Prairie Restoration.

Suzanne Torre, Willamette University student, will discuss her research to restore a wetland prairie at the Fairview industrial site in Salem. The purpose of Torre's project is to determine whether mitigated wetlands can be effectively enhanced with *Camassia* and other flowering plants and how reintroduced communities differ from natural riparian meadows. This research is important because it seeks

to restore the biodiversity of these areas after natural wetlands have been developed for urban and economic expansion. She also hopes to engage citizens and students in recreating valuable public spaces and wetland functions. The program, co-sponsored by The Friends of the Straub Environmental Learning Center and the Willamette Chapter, will be held from 7:00 to 8:30 pm at the Environmental Center, 1320 A Street NE, Salem (right next to Olinger Pool). Free and open to the public. For more info, contact Jean Rover at 503-364-8097.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. Order your copy today! **20% off Holiday Sale! Special price \$8.00 on all orders received between today and January 31, 2005.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

ONRC Events

Threatened Wildlands of the Umpqua

November 18, Thursday, 7 pm

University of Oregon Law School, Eugene, Room TBA. This free slide show is presented by Umpqua Watersheds and Oregon Natural Resources Council will showcase the natural beauty of the Umpqua River Basin and the threats facing the region. Umpqua basin resident Bob Hoehne will present spectacular aerial and on-the-ground photographs of the roadless wild lands of the region, including popular and pristine areas like Last Creek, Mount Bailey, and Twin Lakes. See wild areas affected by the Tiller Complex fires of 2002, old growth forests threatened by logging, and rugged backcountry areas that Umpqua Watersheds and ONRC are fighting to protect. The event is free and open to the public. For more information contact ONRC in Eugene at 541-344-0675.

Fender's Blue Butterfly Habitat Restoration Project Work Party

November 13, Saturday, 9 am

The North American Butterfly Association Eugene-Springfield chapter (NABA-ES) is excited to have the opportunity to work with The Nature Conservancy and a local private landowner to restore habitat for Fender's blue butterfly in West Eugene. The Fender's blue butterfly (*Icaricia icarioides fenderi*) is an endangered species (under the US Endangered Species Act as of 2000) found in surviving remnants of native upland prairie in the Willamette Valley in Oregon.

This half-day work party will put you out in the field, planting native flowers and grasses to improve the habitat. Bring gloves and drinking water, and dress for dirty work, including rubber boots or work boots. Tools and refreshments will be provided. Meet at the Campbell Senior Center parking lot (155 High Street, Eugene) at 9:00 am. Call NABA-ES Volunteer Coordinator, Sabine Dutoit (541-461-3596) to register.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Mushroom Festival & Plant Sale October 31, Sunday, 10 am – 4 pm

Co-presented by the Cascade Mycological Society and Lane Community College. Our annual celebration includes one of the largest mushroom displays on the West Coast, a plant sale, a scarecrow contest, children's activities, hayrides, craft vendors, food, music, and more! Suggested donation for non-members: \$5/person, \$10/family.

Fall Bird Walk

November 6, Saturday, 8 – 10 am

Seek out fall migrants and year-round residents on a two-hour morning ramble through some of the best bird habitats in the area. Experienced birders Dick Lamster and Maeve Sowles help you identify and appreciate Mount Pisgah Arboretum's many bird species. Bring binoculars, a field guide, and a snack. Suggested donation \$3/members free.

Mushroom Walk

November 7, Sunday, 11 am – 2 pm

Whether you are a beginner or brushing up on your identification skills, here is a perfect opportunity to go

mushroom hunting in the Arboretum's forest with knowledgeable mushroomers Chris Melotti and Molly Widmer. Suggested donation: \$3/members free.

Sketchbooks: Documenting Seasons November 14, Sunday, 1 – 4 pm (Part I in a series)

The leaves are gone; the rains have started but how can we sketch a scene that shows the difference between late fall and early winter? In this class we will use pencil to develop our skills and knowledge about light's effect on form. Ages 13 and up. Pre-registration required. Fee: \$20/15. Upcoming winter and spring classes will focus on detailed observational drawing.

Thanksgiving Nature Readings November 21, Sunday, 1:30 – 3 pm

Celebrate the harvest and changing seasons at this annual event that brings together those who love nature and literature. Bring your favorite nature writings to share in a cozy setting and enjoy hot cider and good company. Suggested donation: \$2. Meet at the Arboretum Visitor Center.



Pacific Northwest Native Plant Conference

December 14-16, 2004 • Hilton Hotel, Eugene

NPSO is proud to be a co-sponsor of the Third Pacific Northwest Native Plant Conference! The conference will be at the Hilton Hotel in Eugene, December 14 through 16, 2004. The first two conferences were held there in 1998 and 2001. The first two highly-successful (and very well attended) conferences were jointly sponsored by the Western Forestry and Conservation Association and the OSU Nursery Technology Cooperative, who are co-sponsoring this conference as well. If you are a student, note that NPSO has sponsored seven scholarships (thank you Emerald, Portland, and Corvallis chapters!), so your registration fee can be greatly reduced if you qualify (hurry!). It has come together beautifully, and looks to be an exciting and worthwhile event! See complete conference information and registration information at www.westernforestry.org (scroll down to "Third Pacific Northwest Native Plant Conference") or call 503-226-4562 or 888-722-9416 (toll-free).

Field Trip, Tuesday, December 14

Visit two sites near Eugene to tour and discuss riparian and wetland restoration projects as well as a non-profit native plant nursery. Both restoration sites are large-scale, multi-objective projects in natural areas on the urban fringe. The weather will probably be cool, wet and muddy, so dress appropriately.

First stop: Floodplain and Riparian Restoration

This 250-acre floodplain restoration project was undertaken to restore flow to blocked river channels and restore historic habitat for native plants, fish and wildlife. The project leaders will explain restoration goals, ownership issues, and planting maintenance. A visit to the native plant nursery, created nearby to support the project, will complete the tour. Read more about the project at www.bufordpark.org/rookery/spring04rookeryweb.pdf.

Second stop: Wetland Restoration

This stop will cover restoration sites primarily in wet prairie and associated habitats. Topics will include: research on restoration methods, new discoveries about southern Willamette Valley wetland soils, incorporation of recreational faculties and the evolution of a regional partnership of city, state, federal and private agencies into a national model. Read more about it at www.ci.eugene.or.us/parks/wetlands.

Conference Day 1, Wednesday, December 15

Imperiled Plants: 2nd Class Conservation Citizens of the United States – Emily Roberson, Native Plant Conservation Campaign, Sacramento

Using Native Plants to Create Adaptive and Efficient Landscapes – Clay Antieau, Seattle Public Utilities, Seattle

Propagating Native Willows and Cottonwoods for Riparian Restoration on the Hopi Reservation in Arizona – Tom Landis, USDA Forest Service (Ret.), Central Point

Invasive Plant Management in Natural Areas – Mandy Tu, Nature Conservancy Invasive Species Initiative, Portland

Growing Ferns from Spores – Martin Grantham, San Francisco State University, San Francisco

Germinating Native Plants for Use in Post-fire Restoration Activities – Ed Guerrant, Berry Botanic Garden, Portland

Phytophthora ramorum: The Cause of Sudden Oak Death and Related Diseases – Nancy Osterbauer, Oregon Department of Agriculture, Salem

How Local is Local? Genetic Considerations in Native Plant Restoration – Kevin Rice, University of California, Davis

Restoring Native Species Following Japanese Knotweed Control – Roberta Davenport, Washington Department of Natural Resources, Olympia

The Mycorrhizal Community of Oregon White Oaks – Darlene Southworth, Southern Oregon University, Ashland

Conference Day 2, Thursday, December 16

Fire and Other Restoration Techniques for Native Grasslands – Bitty Roy, University of Oregon, Eugene

Twenty Years on the Front Lines: Important Conclusions from More than 1,000 Native Seed Landscape Projects – Bill McDorman, International Seed Saving Institute, Ketchum, ID

Restoration and Propagation of Native Plants on Catalina Island – Doug Serrill, Catalina Island Conservancy, Avalon, CA

Revegetation and Native Plant Propagation in Glacier National Park – Joyce Lapp, Glacier National Park, MT

The Legacy Way: A Case Study in Implementing the Target Seedling Concept – Tim Acker, Legacy Land Conservancy, Albany

Propagation Protocols for Eriophyllum lanatum, Anaphalis margaritacea, and Eriogonum umbellatum – Colleen Archibald, USDA Forest Service, Central Point

Do Restoration Efforts Influence Trends in Native Plant Landscaping? – Linda McMahan, OSU Extension Service, McMinnville

Evaluating Native Plant Seeds for Post-fire Recovery on the Eyerly Fire, Deschutes National Forest – Nan Vance, USDA Forest Service, Corvallis

Cypripedium fasciculatum

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disturbances that thin the duff layer, such as those caused by logging, can expose or damage its rhizome and kill the plant (Knecht 1996). Other human impacts to *C. fasciculatum* include road and trail construction or other activities that directly disturb the litter and soil, such as off-road vehicle use and commercial harvesting of medicinal herbs and mushrooms.

Greater than 90% of populations in the Klamath Province of southwestern Oregon and northern California contain fewer than fifty plants (SeEVER and Lang 1998). Because of its low numbers and particular growth requirements, *C. fasciculatum* has received a special status designation from several land management agencies and conservation organizations. It was first designated for special management in the Klamath Province of southern Oregon and northern California under the

Northwest Forest Plan, and the Forest Service and BLM consider it a Sensitive Species.

The chief research goals for *Cypripedium fasciculatum* identified in the Northwest Forest Plan are to investigate population trends, examine effects of soil disturbance, thinning regimes, fire, and herbivory, determine the biotic and abiotic requirements for each life stage, and identify critical microclimate conditions, triggers to flowering, optimal forest stand age, benefits of fallen woody material, and levels of genetic variability.

Learning more about clustered lady's slipper

Beginning in 1999, Penny Latham with the Cooperative Forest Ecosystem Research Program at Oregon State University initiated annual monitoring of *C. fasciculatum* populations in southwestern Oregon to evaluate their status and demographic structure, describe their habitat characteristics, and assess

the species' response to forest canopy thinning (Latham and Tappeiner 2000). In 2003, oversight of this monitoring project was transferred to the Medford District Bureau of Land Management (BLM), which focused the scope of monitoring to 29 populations occurring across five environmental regions in Jackson and Josephine Counties. These populations are all located on federally managed lands, spanning ownerships by Medford District BLM, the Siskiyou National Forest, and Rogue River National Forest. With so many sites spread across different land ownerships, IAE is helping the Medford District BLM by continuing the population monitoring started by others.

We revisited these populations to assess the rate of plant emergence, flowering, and fruit production. On our first visit to each site, we used 2m² plot frames and plot maps to relocate individual plants that had been marked in previous years for inclusion in the study. For each emergent plant we recorded the length of its two leaves, the number of flowers or undeveloped buds it produced, litter depth at the base of the stem, and damage caused by animals. Later in the season, we returned to each site to determine how many flowers had been fertilized and produced fruit.

Our data indicate the overall rate of flowering and fruiting was higher in 2004 than last year. Among more than 1000 *C. fasciculatum* plants previously located in this study, nearly 55% (671 plants) emerged in 2004, with a maximum of 75 stems at one of the sites we surveyed (testimony to the small size of most populations). Of the emergent plants, 286 (43%) produced flowers but only one-quarter successfully set fruit. One of the most notable changes we observed was a population that experienced an addition of 22 new plants from 2003 to 2004, a 39% increase! Unfortunately, many other populations appear to be in decline. IAE will continue to collaborate with the BLM to monitor *C. fasciculatum* and explore environmental factors that affect plant growth, flowering, survival, and population dynamics.

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STEVEN GISLER

Cypripedium fasciculatum often forms tight clusters of small orchid flowers, warranting the species' common name, clustered lady's slipper.

The work I did on the *Cypripedium fasciculatum* monitoring project was full of memorable experiences. Before my internship, I had seen little of the unique habitats found in the Klamath-Siskiyou region, despite being a native Oregonian. However, Karin and I were sometimes precluded from observing the diverse spring plants around us as we concentrated on the complicated navigation toward our monitoring sites, carefully scanning the woods for lengths of hot-pink flagging marking our route. On the third day of my internship, our route not only led us to *C. fasciculatum*, but also to one of my favorite moments of the summer: the lucky sighting of a spotted owl. Here, Karin and I had hiked into a small *C. fasciculatum* population in the forest near Wimer (a small town northeast of Grants Pass) when we heard the owl hooting and then noticed it resting

above us on the branch of a madrone. The delight I felt at such a rare experience was comparable to that of spotting a delicate clustered lady's slipper orchid in flower, nestled among layers of decaying needles in the dim light of the forest floor.

I would like to thank all of the staff of the Institute for Applied Ecology for making my internship an unforgettable and very educational experience. The Native Plant Society of Oregon is doing a wonderful service to young botanists in supporting internship opportunities such as this and I thank them as well. Finally, the Medford District BLM provided funding for this project, as well as much needed support which enabled IAE to begin their contribution to this *Cypripedium fasciculatum* research on the right foot.



TANYA HARVEY

The flowers of Cypripedium fasciculatum look quite small compared to the large leaves.



MATT BLAKELEY-SMIT

NPSO/IAE intern Cara Benfield (right) and IAE botanist Karin Rohland (left) spent much of their summer together in the forests of southwestern Oregon, monitoring populations of C. fasciculatum.

Literature Cited

- Knecht, D. 1996. The Reproductive and population ecology of *Cypripedium fasciculatum* (Orchidaceae) throughout the Cascade Range. M.S. thesis. Central Washington University, Ellensburg, Washington. 64 pp.
- Latham, P. and J. Tappeiner. 2000. The Ecology of Rare Plants. *The Cooperative Forest Ecosystem Research Program Annual Report 2000*. Oregon State University, Corvallis, Oregon.
- Seevers, J. and F. Lang. 1998. Management Recommendations for Clustered Lady Slipper Orchid (*Cypripedium fasciculatum* Kellogg ex S. Watson) Executive Summary. <www.or.blm.gov/surveyandmanage/MR/VascularPlants/section9.htm>.

NEW MEMBERS

4/8/04 – 10/15/04

Corvallis

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Sylvia Pauly
Barbara L. Wilson

Cheahmill

Tuhi Gill

Corvallis

Joe Barnwell
Signe Danler
Lynn Kruskamp
Tim Mickelson
Nate Miller
Jeni Richardson

Emerald

Mary Allardt
Marcia Berman
Karen Booth
Melody Clarkson
Margot Fetz
Paul Gordon
Elliot McIntire
Mountain Rose Herbs
Charles M. Ransone
Kathleen Shelley
Jules Staser
John & DeeDee Stevens
Fred Thomas
Skye Weintraub

High Desert

Ann Evensen

Klamath Basin

Colleen Callaghan
Wendy & Chris Wayne

Mid-Columbia

Brian Connors
Marie Corelli
James & Lisa Matthisen
Greg Volkman

North Coast

Pati D'Eliseo

Portland

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Phillip Charette
Sandra Diedrich

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Kenneth Lowe
Vicki McConnell
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Greta L. Murdoff
Alicia Oller
Allen T. Pierce
Melinda Trask

Siskiyou

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Umpqua Valley

Shannon Applegate
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Peter Nilsen

Willamette

Bryan E. Dutton
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Wm. Cusick

Pamela A. Burnham
John Day Basin Office Confederated
Tribes of Warm Springs

Members At Large

Susan J. Lattomus

Request for NPSO Fellows Nominations

by Fellows Committee: Shane Latimer, Kelli Van Norman, Rhoda Love, Veva Stansell

The Fellows Committee is ready to receive nominations for the year 2005. Nominations may be made by Chapters, individual members or the State Board under the following guidelines:

Nominees will be members who have given outstanding service to the Native Plant Society of Oregon (NPSO). They may have been instrumental in establishing the State Organization or a Chapter, or perhaps produced distinguished editorial contributions, or served as an inspirational teacher of botany. They may have in other ways contributed valuable work relating to native plants or to the goals of NPSO.

The nominating group or person should prepare a formal letter of nomination for consideration by the NPSO Fellows Committee. The letter should include detailed biographical and background information about the nominee. A photo of the nominee suitable

for an article in *Kalmiopsis* should be provided by the nominator.

After review of the nominating letters, the Committee will make a recommendation to the State Board. Acceptance as Fellows will be by vote of the Board of Directors at a State Board meeting. Fellows will receive a framed plaque and a life membership in NPSO, and will be featured in an article in *Kalmiopsis*.

The NPSO Fellows Committee asks that letters of nomination for the year 2005 be sent by December 1, 2004, to Veva Stansell at the address below. Nominations will be presented to the Board of Directors at the January Board meeting.

For more information please contact:

Veva Stansell
PO Box 6077
Pistol River, OR 97444-1575
541-247-7153

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Award Fund	\$ _____
Rare and Endangered Plant Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

Membership in the Native Plant Society of Oregon is open to all.
Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

OFFICERS & COMMITTEE CHAIRS

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DIRECTORS (to 6/2005) Dan Luoma, Michael McKeag, Charlene Simpson (to 6/2006)Jenifer Hutchinson, Larry Scofield, Laura White

PRESIDENT Kelli Van Norman.....president@NPSOregon.org, 503-236-8787

IMMEDIATE PAST PRESIDENT Bruce Newhouse2525 Potter, Eugene, OR 97405; 541-343-23640

VICE PRESIDENT Rhoda Love393 Fulvue Drive, Eugene, OR 97405-2706; 541-345-6241

SECRETARY Leslie Rossmell.....secretary@NPSOregon.org, 503-272-7277

TREASURER Candice Guth.....1816 SE 34th Ave., Portland, OR 97214-5033; 503-235-0617

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CORVALLIS John Syring.....2630 NE Seavy Circle, Corvallis, OR 97330-4236; 541-752-0414

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MID-COLUMBIA Jerry Igo P.O. Box 603, Mosier, OR 97040

NORTH COAST..... Janet Stahl.....9780 Whiskey Creek Rd., Tillamook, OR 97141; 503-842-8708

PORTLAND Mandy Tu821 SE 14th Ave., Portland, OR 97214; imtu@tnc.org

SISKIYOU Armand Rebischkefunked1@charter.net; 541-482-2141

UMPQUA VALLEY (Roseburg)..... Ron Hatt878 Bear Pen Lane, Myrtle Creek, OR 97457-9584; 541-863-7024

WILLAMETTE VALLEY (Salem) John Savage1645 Church St SE, Salem, OR 97302-2908; shirack@open.org; 503-399-8615

WM CUSICK (La Grande) Frazier Nichol.....c/o Dick Kenton, 1805 U Ave., La Grande, OR 97850; 541-963-7870

STATE COMMITTEE CHAIRS

EDUCATION Jerry Igo.....P.O. Box 603, Mosier, OR 97040

CONSERVATION, EAST SIDE Position vacant

CONSERVATION, WEST SIDE..... Darlene Southworth.....866 Blaine St., Ashland, OR 97520; southworth@sou.edu; 541-261-3775

LEGISLATIVE Les Helgesongreenhills@oregoncoast.com; 503-398-5965

MEMBERSHIP..... Clayton Gautier3927 Shasta View St, Eugene OR 97405-4442; membership@NPSOregon.org

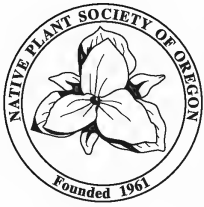
BUDGETS AND GRANTS Dan Luoma3740 NW Harrison, Corvallis, OR 97330; 541-752-8860

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KALMIOPSIS EDITOR Cindy Roché.....109 Meadow View Dr., Phoenix, OR 97535, crupinaqueen@charter.net

WEBMASTER..... Michael Hartmanwebmaster@NPSOregon.org



*Send change of address notices
and membership requests to:*

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TENTH ANNIVERSARY CHALLENGE DRIVE

Here is an opportunity to have your contribution doubled! From now until January 31, 2005, donations to the Oregon Flora Project will be matched, thanks to several generous Flora Project supporters. Ten years of botanical research is an achievement to celebrate—please take advantage of the chance to double the impact of your gift.



www.oregonflora.org

- **Have you donated in the past to the Oregon Flora Project?** Why not contribute 10% more than your last gift...
- **Never contributed before?** Consider \$10 holiday gifts in honor of your friends and family...
- **Do you currently use the Atlas mapping program?** Show your appreciation for this resource by donating \$10 each time you access the Atlas during the challenge drive...

Your tax-deductible gift supporting the Oregon Flora Project challenge drive can be mailed to:

Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402

Please make checks out to NPSO, with "OFP Challenge" on the memo line.



Bulletin

of the

Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 37, No. 11

DECEMBER 2004

Highlights of the October 16 Quarterly NPSO State Board Meeting

by Leslie Rossmell, Secretary

The Siskiyou Chapter hosted the well-attended October NPSO Board meeting on the campus of SOU in Ashland. Reports and discussions from the revived Conservation and Legislative committees were a welcome addition to the meeting. Darlene Southworth, West Side Conservation chair, continued her work with the Oregon Department of Fish and Wildlife on NPSO concerns about proposed mountain goat reintroduction into the Columbia River Gorge. NPSO is concerned about the lack of baseline monitoring surveys. Darlene also sent a letter to ODFW on wild turkey management, gathered information for a reply to USFS regarding an Off-Highway vehicle plan, and received a reply

from Senator Wyden on wilderness protection on Mt. Hood (no mention of wilderness protection for Cascade-Siskiyou National Monument). Rhoda Love circulated letters sent to the Eugene *Register Guard* on the Biscuit fire, Measure 34 and protesting Greg Walden's (R,OR) attempt to weaken the Federal Endangered Species Act (August 29, 2004).

Les Helgeson is the new chair of the Legislative committee. Les works with conservation groups to weigh in on legislative policy in Salem. Often groups will share resources and help with nominal legal fees to promote protection of the environment in policy matters. Currently Les is working with the Native Fish Society and other conservation groups to ensure that Measure 66 funds earmarked for natural resource conservation are not diverted for other purposes.

Kelli Van Norman, NPSO President, discussed her goals to strengthen NPSO internal processes. An important component of internal operations is the work of committees. Healthy functioning committees spread NPSO's reach and effectiveness by focusing on specific areas. A list of committees and members involved was distributed, a first for NPSO.

The Board received the first report from the newly-formed Invasive Plant Committee chaired by Mandy Tu. Mandy pointed out that NPSO needs to be active with invasives work, since invasives threaten dwindling native habitat in Oregon. The committee is

reviewing the USFS draft Invasive Plant EIS for Region 6, and will send a letter with comments to USFS.

Candice Guth, treasurer, reported NPSO is under spending, probably due to chapter delay in submitting reimbursements. Membership numbers have changed little from last quarter. The Emerald Chapter's reminder mailing to late renewing members was very effective and the materials have been requested by other chapters seeking to produce similar campaigns. Clay Gautier requested the extension date for renewing members be changed from Sept 1 to July 1, which was approved by the Board. The change will simplify renewals. *Kalmiopsis* editor Cindy Roché reported five articles for Volume 12 have been submitted or are under discussion. Cindy hopes to publish next spring. A discussion of actively selling and marketing *Kalmiopsis* was tabled for lack of a dedicated marketing volunteer willing to maintain inventory, manage and track sales, and work with the public and chapters.

Webmaster Michael Hartman, Cheahmill and Portland chapters announced launching of new chapter websites linked with NPSO website. Be sure to check out our new additions! Jerry Igo, Education Committee, welcomes speaking requests and/or can provide assistance with presentations, please contact him. Next May is slated for Oregon's first celebration of Native Plant Awareness Week. Chapter volunteers are needed, contact Matt Blakely Smith, mattbs@peak.org or 541-752-1091.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsso

General Business Address

P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

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Bulletin of the Native Plant Society of Oregon

Editor: Tanya Harvey

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

For a copy of the program policy and guidelines contact Dan Luoma, Field Research Grants Committee Chair, 3740 NW Harrison Ave., Corvallis, OR 97330, 541-752-8860 or visit NPSO's web site, www.npsoregon.org/comm/FRGC.htm. Research proposals are due by March 1, 2005.

Native Plant Appreciation Week

The date for Native Plant Appreciation week has been set for May 1st through May 8th. This week will be designated by the Washington Native Plant Society as well, which we think will increase the visibility of the event. We hope that the NPSO chapters will be able to plan activities that coincide with these dates. Other organizations are also encouraged to participate. Please don't hesitate to contact Matt Blakely-Smith (mattbs@peak.org or 541-752-1091) if you have questions or are willing to help coordinate this special event.



TANYA HARVEY

Exploring rocky outcrops in late autumn can actually be quite rewarding. Many plants that dry up or disappear during the summer drought come back to life with the fall rains. In this photo taken in mid-November, *Lomatium hallii* (upper right) has reappeared and *Selaginella wallacei* and *Saxifraga aequidentata* are a fresh, succulent green once again.

State

January 22, 2005, Saturday

Board Meeting: The Cheahmill chapter will host the winter board meeting which will be held from 10:00 am to 2:00 pm at the McMinnville Library, 225 NW Adams St., McMinnville.

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

December

Cheahmill Chapter has no scheduled events in December. Happy Holidays!

January 27, Thursday, 7:00 pm

Meeting: Zumwalt Prairie Preserve. Linda Hardie who has just completed her sixteenth year working for the Nature Conservancy will give a program on TNC's Zumwalt Prairie Preserve in Wallowa County. Linda's slide presentation will include many of her own photos of Zumwalt's scenic landscapes and will focus on the plants that grow there. Carnegie Room, McMinnville Public Library, 225 NW Adams St. McMinnville OR. For more info contact Susan Williams 503-538-1865 or email helgesusan@comcast.net.

Corvallis

December 4, Saturday, 9:00 am

Workshop Series: The Ferns of Oregon and beyond with Dr. Dave Wagner. Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson manual. Due to physical limitations, class size will be limited to 20 people and participants will be required to have current NPSO memberships (new memberships encouraged). Workshops will be held in 1070 Cordley Hall, OSU campus,

enter through northwest door by herb-arium. Register in advance by contacting John Syring at 541-752-0414.

December 13, Monday 6:30 pm

Meeting: Annual Holiday Party at Loren and Flo's abode, 3420 SW Willamette, Corvallis. Come one, Come all! Please bring 15-20 slides to show if you would like and a dessert or drink to share. For more information contact John Syring at 541-752-0414.

Emerald

Officers Needed

In February, 2005 the Emerald Chapter

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

will hold an election by mail for President, Vice-President, Secretary and Treasurer. If you have any nominations submit them by mail to Nominations Committee Chair, Bruce Newhouse at P.O. Box 902, Eugene, OR 97440 or to newhouse@efn.org before the January 24 meeting.

December 4, Saturday, 10:00 am

Field Trip: Tour of Native Plant Nursery at Mt. Pisgah. The Friends of Buford Park have recently established a native plant nursery just southeast of Eugene. The organization is raising native plants to harvest seed for habitat restoration projects. A nursery tour will be followed by a 2-mile hike to inspect restoration areas. Meet at 10:00 am at the North Trail-head parking at Mt. Pisgah. We'll be back around noon. For more info call Dave Predeek at 541-345-5531.

December 13, Monday, 7:30 pm

Meeting: Annual Members Slide Show/Holiday Gathering. Bring 5-10 slides and a snack to share, if you wish. Come admire others' slides if you do not have your own. See you there! For more information call Dave Predeek at 541-345-5531. Room 115, Science Building, Lane Community College, 4000 30th Avenue East, Eugene.

January 24, Monday, 7:30 pm

Meeting: Honduran Plant Life - A Slice of the Tropics. Jena Price and Ryan Turner are local botanists who have spent the past 3 years living in Africa and Central America as Peace Corps Volunteers. They will share stories and images from a year spent writing a botanical field guide (to be published by USAID in February) for one of Honduras's National Parks, The Sierra de Agalta. For more information call Dave Predeek at 541-345-5531. Room 115, Science Building, Lane Community College, 4000 30th Avenue East, Eugene.

February 6, Sunday, 11:00 am

Field Trip: Winter Twig Walk. Enjoy a brisk winter walk at the Mount Pisgah Arboretum led by Botanist Dr. Rhoda Love and learn to identify deciduous trees and shrubs when leaves and flowers are absent. For more information call the Arboretum at 541-747-3817.

High Desert

For information on the High Desert Chapter contact Reid Schuller at 541-317-1901.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

December 1, Wednesday, 7:30 pm

Meeting: Rare Plants of Our Area.

Identification of sensitive listed or endemic species in the Mid-Columbia area. Jerry & Michael Igo speakers. The

Dalles Chronicle Meeting Room, 317 E. 3rd Street, The Dalles.

January 5, Wednesday 7:30 pm

Meeting: Winter Twigs. Learn to identify most of our trees, shrubs and some woody forbs when they bare their souls to the winter winds. Mystery plants welcome. Mike Igo speaker. The *Dalles Chronicle* Meeting Room, 317 E. 3rd Street, The Dalles.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

Monthly meeting room/date change?

Due to the small size of our current meeting room, we are contemplating changing the day of our monthly meetings so that we can return to the larger Fireside Room. Please leave Mandy a message at physo.carpus@verizon.net (with "NPSO" on the subject line) or at 503-640-1764 and specify your preferred weekday to meet for our monthly meetings or if Tuesday is still fine.

Opportunities Abound!!

Portland Chapter is looking for enthusiastic people to pick up the ball, and to serve in the following positions starting next year:

Chapter President – Give the 5 minute intro at monthly meetings, reply to inquiries.

Chapter Secretary – Keep a few notes, pass around the sign-in sheet.

Program Committee – Find and arrange for our monthly speakers.

Field Trip Leaders – We will not have field trips, unless someone leads them!

Please let Mandy (physo.carpus@verizon.net or 503-640-1764) know if you are interested in serving in any of these capacities.

December 14, Tuesday, 7:00pm

Meeting: Changes in Portland's flora over the last 100 years. What do

Carex aurea, *Cephalanthera austiniiae*, *Clintonia uniflora*, *Cypripedium montanum*, *Elymus cinereus*, and *Lycopodium clavatum* have in common with Portland? They were once here and have since disappeared or are very rare in the Metro area. We know that *Phalaris arundinacea* and *Hedera helix* were once infrequent and now ubiquitous, but how many other species are in the same boat? Help uncover these and other botanical secrets contained in a 100-year-old manuscript documenting Portland's flora in the days of horse-drawn traffic. Join John Christy and Angie Kimpo to help document changes in Portland's flora between 1910 and 2004. This will be a working session to evaluate species whose distributions have increased or decreased over the last century. Help document the Portland Chapter's collective knowledge of the current abundance or rarity of these species. Because the list of species is long, we may need to form a working group to continue evaluation in several subsequent meetings. Location: Classroom #134, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

Friends of the Oregon Flora Project

TENTH ANNIVERSARY CHALLENGE DRIVE

If you had the opportunity to accomplish twice as much on a task as you put into it, would you? Your donations to the Oregon Flora Project Challenge Drive can do just that! Several generous supporters will

match \$26,000 in donations made to the OFP through Jan 31, 2005.

Please take advantage of this opportunity for your gift to fund twice the work that your dollars alone could do.

Send checks (made out to NPSO, with "OFP Challenge" on the memo line) to:

Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402



www.oregonflora.org

Siskiyou

December 17, Friday, 6:30 pm

Meeting and Annual Holiday Party: An update on Sudden Oak Death

Disease. Join Ellen Goheen, US Forest Service Plant Pathologist at the S.W. Oregon Forest Insect and Disease Ser-

vice Center, for a presentation on the history and threats posed by Sudden Oak Death. We will hear the latest information on how the plant pathogen *Phytophthora ramorum* spreads, what are current disease avoidance strategies and control practices, known locations in SW Oregon, and ecological con-

cerns. Tour the rock museum after the program. Please bring a festive dish, dessert, or drink to share. Holiday meeting at Crater Rock Museum, 2002 Scenic Ave., Central Point. (If coming from Medford, take Hwy. 99 north, through Central Point, past the high school, and turn right at Scenic Ave.. Go two blocks.) For more info contact Cynthia Maclaren at 541-482-0899.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Fourth printing, February, 2004. **20% off Holiday Sale! Special price \$8.00 on all orders received before January 31, 2005.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Umpqua Valley

December 9, Thursday, 7:00 pm

Holiday Party: Potluck meal followed by sharing our favorite slides.

Bring a dish and bring some slides for an evening of friendship and socializing. Mercy Education Bldg., 2459 Stewart Parkway, Roseburg. We will not have a business meeting this month. For information call Judy Kent or Ron Hatt at 541-863-7024. The 2005 NPSO Annual Meeting Committee will meet at 6:00 pm prior to the potluck dinner.

Willamette Valley

December 16, Thursday, 7:00 pm

Meeting: Ethnobotany. Dr. Morris Johnson will discuss the historic uses of native plants. The program, co-sponsored by The Friends of the Straub Environmental Learning Center and the Willamette Chapter of the Native Plant Society of Oregon, will be held from 7:00 to 8:30 pm. Free and open to the public. Watch the NPSO web site for more details about this presentation and the meeting place.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene. For more information or to register call 541-747-1504.

Evergreen Wreaths

December 4, Sunday, 10 - 11:30 am

Create your own seasonal wreath using native evergreens, cones, and other natural materials. Bethany Little, talented local florist and wreath maker, teaches this annual fundraiser for the Arboretum's Education Program. You'll come away with new skills and a beautiful wreath to give as a gift or decorate your home for the holidays. Fee: \$20 non-members/ \$15 members. Pre-registration required.

Wilderness Survival Course: Emergency Shelters

December 5, Sunday, 10:30 - 2 pm

Gain vital basic outdoor survival information and strategies with Steve Kriegh and Linda Redmon. Participants will construct a shelter from natural materials found at Mount Pisgah Arboretum. Ages 10 and up. Adults: \$15/Families \$20. Pre-registration required.

North American Butterfly Association Talk

Meeting Butterfly Caterpillars from Near and Far

December 6, Monday, 7:30 pm

Room 21, Jefferson Middle School, 1650 W. 22nd, Eugene

OSU Professor Dr. Jeffrey Miller is the author of several volumes on moth and butterfly caterpillars, including *Caterpillars of Pacific Northwest Forests* and *Woodlands*, and the recent *Lepidoptera of the Pacific Northwest: Caterpillars and Adults*. He will share his unique and beautiful caterpillar photos from Oregon and the tropics. Free and open to the public. For more information contact Neil Bjorklund at 541-344-2053 or neilb@efn.org or visit www.naba.org/chapters/nabaes/index.html

Third Pacific Northwest Native Plant Conference

December 14-16, Tuesday - Thursday

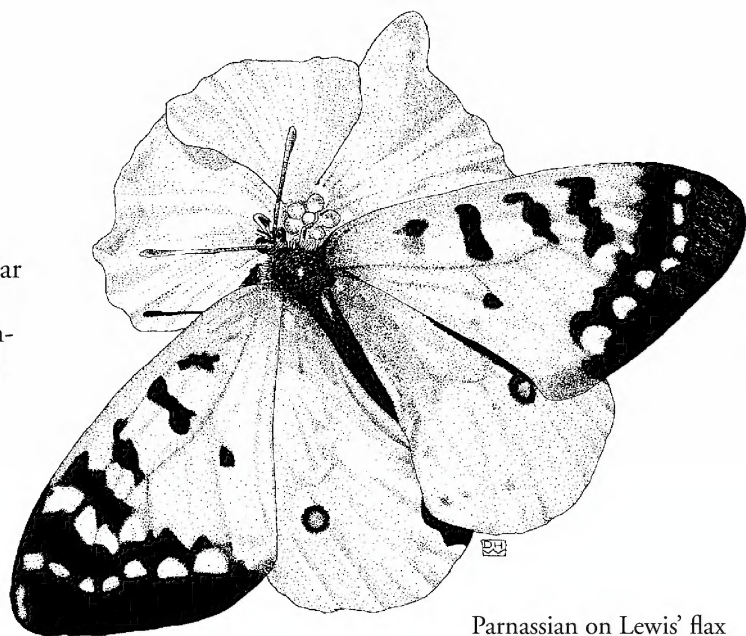
Hilton Hotel, Eugene

NPSO is proud to be a co-sponsor of the Third Pacific Northwest Native Plant Conference! The first two highly-successful conferences were jointly sponsored by the Western Forestry and Conservation Association and the OSU Nursery Technology Cooperative, who are co-sponsoring this conference as well. It has come together beautifully, and looks to be an exciting and worthwhile event! Tuesday, December 14, there will be a field trip to two different sites. The first stop will be to a 250-acre floodplain restoration project, the second to a wetland restoration. Wednesday and Thursday there will many speakers discussing varied topics involving restoration and propagation. For more information see the November *Bulletin*. See complete conference and registration information at www.westernforestry.org (scroll down to "Third Pacific Northwest Native Plant Conference") or call 503-226-4562 or 888-722-9416 (toll-free).

2005 Willamette Valley Nature Calendar Just Out!

David Wagner's 2005 Willamette Valley Nature Calendar features twelve original illustrations in pen and ink. The calendar functions as a natural events almanac throughout the year, focusing on western Oregon. Gardening hints are included. The calendars can be ordered directly from Dave Wagner (541-344-3327). Send check for \$15, made out to Northwest Botanical Institute to:

Dave Wagner
P.O. Box 30064
Eugene, OR 97403-1064



DAVID WAGNER

Parnassian on Lewis' flax

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

Leighton Ho Memorial Field Botany Award Fund \$ _____

Rare and Endangered Plant Fund \$ _____

Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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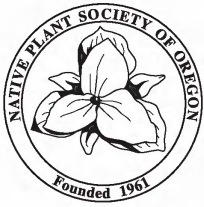
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Clayton Gautier, Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

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a member of **Earth Share**
OF OREGON

TIME DATED MAIL

IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew for 2005. To find out whether you need to renew, please look at your address label on a recent *Bulletin*. If it shows 2005 along the top edge of the label, you are all set and do not need to renew until the end of 2005. If it shows 2004, you need to renew between now and February 15, 2005 to ensure that you do not miss out on any of the Bulletins or on the 2005 issue of *Kalmiopsis*.

Please use the remittance envelope in this issue of the *Bulletin* to send in your dues, or use the membership form on the inside back page if the envelope is missing.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

Note for Earth Share Contributors: If you are receiving the *Bulletin* because you have designated part of your contribution to NPSO, your membership will continue for one year from the time of your contribution; you do not need to send a renewal payment now.